

FOSS Governance

Developing and sharing FOSS Governance
information and best practices

FOSS Permeates the Enterprise



2007

*Enterprises use
94 open source
packages¹*

2008

*Open source in
Top 3 for
spending
increases²*

2010

*Open source will be
80% of infrastructure
software investments
and 20% of business
software investments
in Global 2000*

Sources: ¹ OpenLogic; ² CIO Insight

www.fossbazaar.org

Why is FOSS Any Different Than Other Software?



- To use commercial software in your development process you must go through....



Procurement!

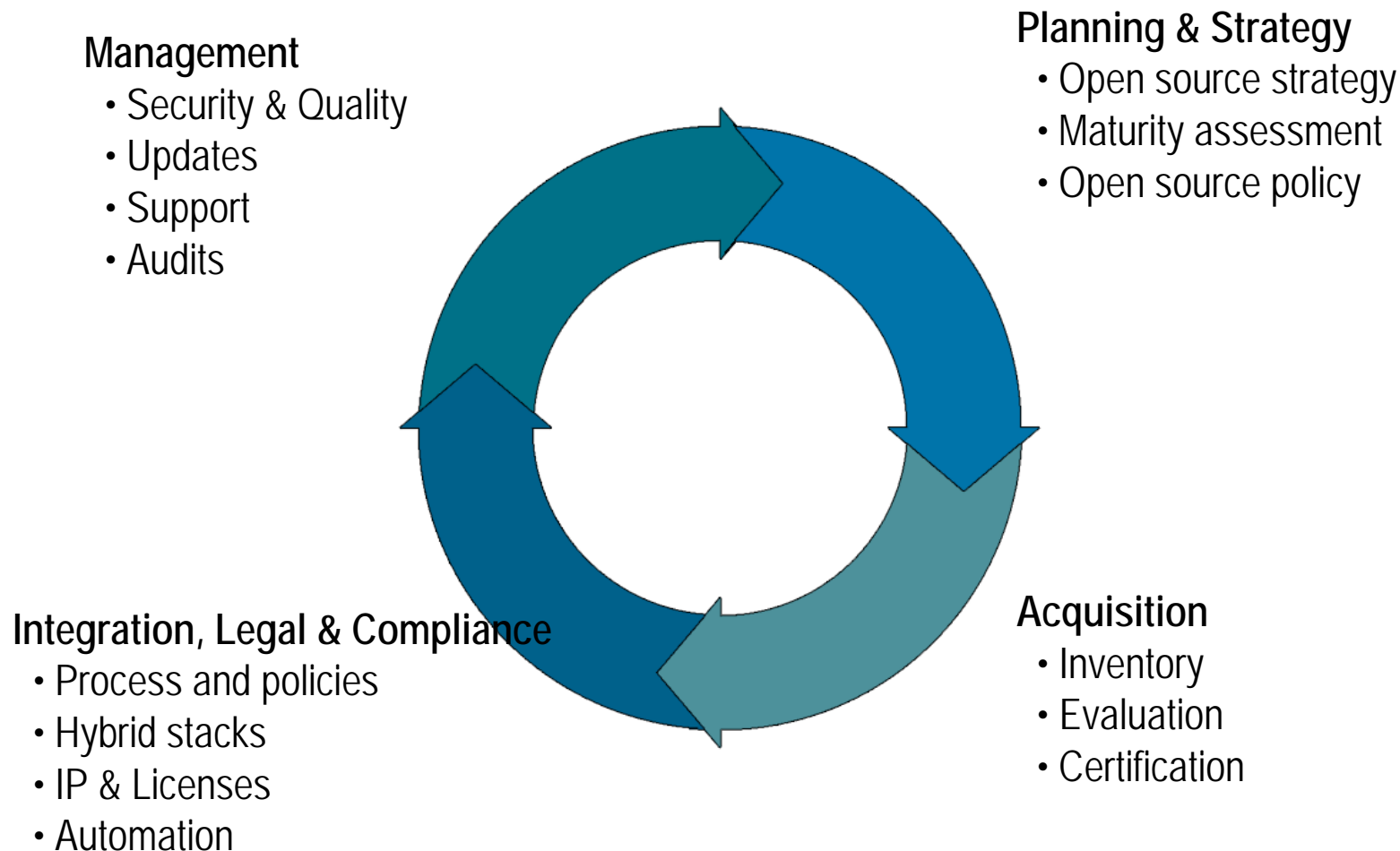
Challenges of FOSS Governance



Make FOSS “Business as Usual”

- How is it acquired?
- How is it chosen?
- How is it used? Where?
- How is it supported?
- How is it updated and secured?
- How is the project tracked?
- How is it licensed?
- How mature is it?

FOSS Governance



HP's open source use

- Internal Usage
 - OpenLDAP, Jabber, Email, etc...
- Incorporated in our Software Products
 - OpenView, Insight Manager, ... many Software Products
- Ship Open Source Distributions
 - Red Hat, SUSE, Debian, etc...
- Embedded in our Hardware Products
 - Printers, Televisions, Storage Devices, etc...
- Active Participants in The Community
 - Contributors in Dozens of Projects
 - Maintainers in Several Projects

Governance Efforts

In January HP launched 2 efforts:

- FOSSBazaar: an open community to share and develop information and best practices related to FOSS Governance
- FOSSology: an open source tool to analyze open source code (e.g. license detection)

FOSSBazaar



- A new community
- To develop and share FOSS governance information and best practices
- Supported by The Linux Foundation and the following partners:

Strategic:

- HP
- Novell
- OpenLogic

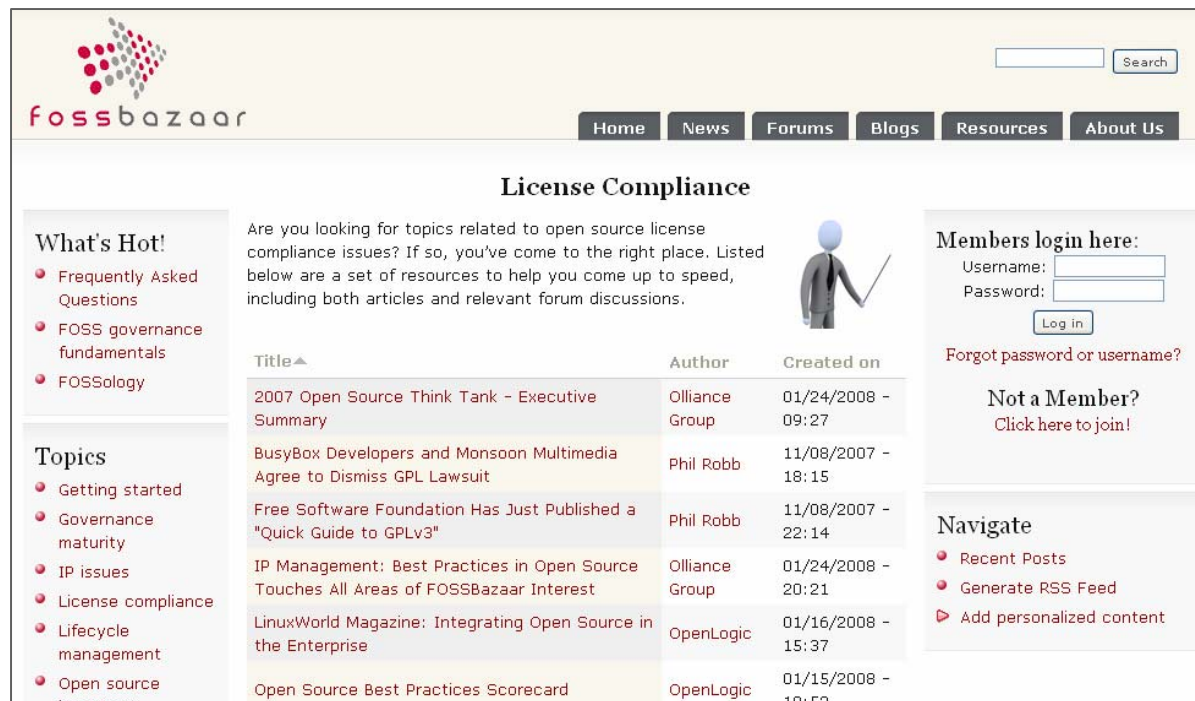
Associate:

- Coverity
- DLA Piper
- Google
- Krugle
- Olliance Group
- SourceForge

What is FOSSBazaar?



A community to develop and share best practices for open source governance

A screenshot of the FOSSBazaar website. The header includes the FOSSBazaar logo, a search bar, and navigation links: Home, News, Forums, Blogs, Resources, and About Us. The main content area is titled "License Compliance" and contains a list of articles, a "What's Hot!" section, a "Topics" section, a "Members login here:" section, and a "Navigate" section. The table of articles lists titles, authors, and creation dates.

Title▲	Author	Created on
2007 Open Source Think Tank - Executive Summary	Olliance Group	01/24/2008 - 09:27
BusyBox Developers and Monsoon Multimedia Agree to Dismiss GPL Lawsuit	Phil Robb	11/08/2007 - 18:15
Free Software Foundation Has Just Published a "Quick Guide to GPLv3"	Phil Robb	11/08/2007 - 22:14
IP Management: Best Practices in Open Source Touches All Areas of FOSSBazaar Interest	Olliance Group	01/24/2008 - 20:21
LinuxWorld Magazine: Integrating Open Source in the Enterprise	OpenLogic	01/16/2008 - 15:37
Open Source Best Practices Scorecard	OpenLogic	01/15/2008 - 19:52



FOSSBazaar is a Working Group of the Linux Foundation

www.fossbazaar.org

Who Can Benefit From FOSSBazaar?



The Experienced FOSS User

Organizations that have been using FOSS at least several years

They've come to recognize the value and the shortcomings

Interested in working on defining "standards" and "best practices" to make their consumption of FOSS less painful

The Inexperienced FOSS User

Organizations that have just been made aware that they consume FOSS

Reduce the fear: FOSSBazaar is a place where this type of user can come and learn that:

- Many other organizations use FOSS with confidence
- Use of FOSS is not an "unbounded risk"
- Managing FOSS is "different" than managing proprietary software but the differences are not that great



Key topics addressed

- Getting Started with FOSS Governance
- Governance maturity
- IP Issues
- License compliance
- Life Cycle management
- Open Source inventory
- Policies and processes
- Security and vulnerabilities
- Software acquisition
- Supportability

Key Resources

More than 20 white papers including:

- Best Practices in Open Source Governance
- FOSS Governance Fundamentals
- IP Management Best Practices in Open Source
- Copyright Basics
- Copyright Ownership

Many tools including:

- FOSS Governance Maturity Self-Assessment survey
- Open Source Policy Workshop
- Open Source Best Practices Scorecard
- OSS Discovery: Find installed open source software
- FOSSology

Key Resources

Active blogs:

- Not Enough support? No, too many support choices!
- Open source strategy or policy?
- Use Open Source To Save Money
- Obstacles for making FOSS development truly global

Forums:

- General/getting started
- Legal/Licensing
- Policy/Process
- Lifecycle Management
- Support options

The Future



Discuss, Resolve, and Document the “Hard” Issues Related to Adopting FOSS in the Enterprise:

- Standardizing reporting and agreements of FOSS and FOSS license compliance across the supply chain
- Standard/Definitive naming for Packages and Licenses
- Can/should FOSS Governance be outsourced?
- Balancing “Governance” with efficient operations

FOSS Analysis Tools Portal:

- Aggregate data from Ohloh, FOSSology, OLEX, SourceForge, Krugle, Coverity, etc
- A resource to evaluate, understand and compare different FOSS components before they are acquired

Case Studies:

- Stories highlighting the successful inclusion of FOSS enabling substantial savings and flexibility



Participate in FOSSBazaar



- Visit & contribute
www.fossbazaar.org
- If you have a question on how others manage FOSS, ask it!
- If you think there is a topic missing, add it!
- If you think something is incorrect, point it out!



www.fossbazaar.org

FOSSology

- FOSSology is a framework to study the source code of FOSS applications in a number of ways
- Detection of licenses in open source applications

Problems with Licensing

- Misunderstanding of FOSS licenses: you have obligations
- Keeping track of what FOSS is being used
- Keeping track of FOSS licenses used by an application and how they interact

FOSSology – how it works

- You load code into the repository
- You analyze it and put the results in a database
- You view the results

View Meta Data

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Folder: [System Repository/ Nealk/ RHEL4-U2-i386/ RHEL4-U2-i386-source-disc1.iso/](#)
[RHEL4-U2-i386-source-disc1.iso/ SRPMS/](#)
[HelixPlayer-1.0.6-0.EL4.1.src.rpm](#)

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Item	Meta Data	Value
1	Unpacked file type	application/x-rpm
2	Build-host	tweety.build.redhat.com
3	Copyright	RPSL, EULA
4	Creation date	Tue Sep 20 16:09:52 2005
5	Description	The Helix Player 1.0 is an open-source media player built in the Helix Community for consumers. Built using GTK, it plays open source formats, like Ogg Vorbis and Theora using the powerful Helix DNA Client Media Engine.
6	Distribution	Red Hat (RHEL-4)
7	Group	Applications/Multimedia
8	License	RPSL, EULA
9	Mimetype	application/x-redhat-package-manager
10	Operating system	linux
11	Packager	Red Hat, Inc. < http://bugzilla.redhat.com/bugzilla >
12	Release	0.EL4.1
13	Resource-identifier	https://player.helixcommunity.org/
14	Size	13997669
15	Summary	Open source media player based on the Helix framework



License Browser

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[HelixPlayer-1.0.6-0.EL4.1.src.rpm/](#)
[hxplay-1.0.6.tar.bz2/ hxplay-1.0.6](#)

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Count	Files	License	
3549	Show	RealNetworks Public Source License 1.0 reference	Makefile audio/ [224 licenses] build/ [749 licenses]
3330	Show	Apple Public Source License 1.2	buildrc
312	Show	RealNetworks Public Source License 1.0	client/ [801 licenses]
226	Show	OCLC Research Public License 2.0	common/ [2,644 licenses]
123	Show	RealNetworks Community Source Licensing	datatype/ [2,012 licenses]
98	Show	Dual MPL GPL	filesystem/ [131 licenses]
82	Show	Jahia Community Source License	installer/ [98 licenses]
62	Show	SISSL 1.1 reference 1	make.bat
46	Show	MPL 1.1 reference	player/ [1,014 licenses]
43	Show	Sun Microsystems Binary Code License	protocol/ [212 licenses]
42	Show	Phrase	video/ [461 licenses]
41	Show	Zend	
41	Show	NPL 1.1 reference	
41	Show	JasPer	

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42	Show	Phrase	
41	Show	Zend	
41	Show	NPL 1.1 reference	
41	Show	JasPer	
41	Show	Apache Software License 2.0 reference	
41	Show	University of Utah Public License	
40	Show	LGPL 2.0 reference	
39	Show	Free use no change clause	
39	Show	GPLv2	
17	Show	BSD UCR Regents	
13	Show	BSD zlib	
8	Show	Glide	
8	Show	zLib	
5	Show	GPL exception clause 1	
4	Show	GPLv2 Java Index Serialization Package variant	
4	Show	Python CWI	
4	Show	eCos	
4	Show	X11	
4	Show	Pine License	
3	Show	MIT (oldstyle) with disclaimer 3	
3	Show	BSD old	
2	Show	Free with copyright clause variant 1	
2	Show	IJG	
2	Show	Nvidia	
2	Show	Open Group	
2	Show	LLGPL 2.1 reference	

Folder: [System Repository/ Nealk/ RHEL4-U2-i386/ RHEL4-U2-i386-source-disc1.iso/](#)

[RHEL4-U2-i386-source-disc1.iso/ SRPMS/](#)

[HelixPlayer-1.0.6-0.EL4.1.src.rpm/](#)

[hxplay-1.0.6.tar.bz2/ hxplay-1.0.6/ player/ app/ plugin/ include/ pluginbase.h](#)

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Match			Item
95%	view	ref	NPL 1.1 reference
93%	view	ref	Dual MPL GPL

```
/* -*- Mode: C++; tab-width: 2; indent-tabs-mode: nil; c-basic-offset: 2 -*- */
```

```
/* ***** BEGIN LICENSE BLOCK *****
```

```
* Version: NPL 1.1/GPL 2.0/LGPL 2.1
```

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*
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* The contents of this file are subject to the Netscape Public License
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* Version 1.1 (the "License"); you may not use this file except in
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[HelixPlayer-1.0.6-0.EL4.1.src.rpm/](#)
[hxplay-1.0.6.tar.bz2/ hxplay-1.0.6/ player/ common/ gtk/ po/ zh_TW.po](#)

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Match		Item
100%	view	Phrase: This file is distributed under the same license as the PACKAGE package

```
# SOME DESCRIPTIVE TITLE.
# Copyright (C) YEAR THE PACKAGE'S COPYRIGHT HOLDER
# This file is distributed under the same license as the PACKAGE package.
# FIRST AUTHOR <EMAIL@ADDRESS>, YEAR.
#
msgid ""
msgstr ""
"Project-Id-Version: PACKAGE VERSION\n"
"Report-Msgid-Bugs-To: dev@player.helixcommunity.org\n"
"POT-Creation-Date: 2004-08-27 17:26-0700\n"
"PO-Revision-Date: YEAR-MO-DA HO:MI+ZONE\n"
"Last-Translator: FULL NAME <EMAIL@ADDRESS>\n"
"Language-Team: LANGUAGE <LL@li.org>\n"
"MIME-Version: 1.0\n"
"Content-Type: text/plain; charset=UTF-8\n"
"Content-Transfer-Encoding: 8bit\n"
```

Conclusions

- The governance of FOSS is increasingly important
- FOSSBazaar: platform to share and develop information about GOSS governance processes, policies and tools and to collect industry best practices
- FOSSology: tool to analyze open source code, e.g. license detection