

FOSS Governance

Developing and sharing FOSS Governance information and best practices

FOSS Permeates the Enterprise



2007

**Enterprises
use 94
open
source
packages ¹**

2008

**Open
source in
Top 3 for
spending
increases ²**

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

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?

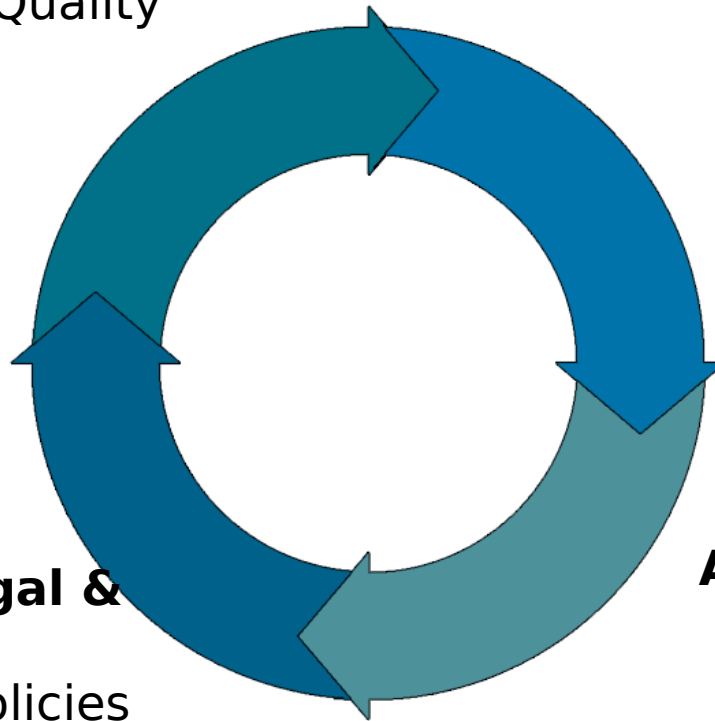
FOSS Governance

Management

- Security & Quality
- Updates
- Support
- Audits

Planning & Strategy

- Open source strategy
- Maturity assessment
- Open source policy



Integration, Legal & Compliance

- Process and policies
- Hybrid stacks
- IP & Licenses
- Automation

Acquisition

- Inventory
- Evaluation
- Certification

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 page title is "License Compliance". The main content area contains an article with the following table:

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

The page also features a "What's Hot!" sidebar with links to "Frequently Asked Questions", "FOSS governance fundamentals", and "FOSSology". A "Topics" sidebar lists categories like "Getting started", "Governance maturity", "IP issues", "License compliance", "Lifecycle management", and "Open source". A "Members login here:" section includes fields for "Username:" and "Password:", a "Log in" button, and a link for "Forgot password or username?". A "Not a Member?" section has a link to "Click here to join!". A "Navigate" section includes links for "Recent Posts", "Generate RSS Feed", and "Add personalized content".



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



Novell.



coverity



Google

krugle

alliance

group



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



Novell.



Google

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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!



Novell.



Google

krugle

olliance

group



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

[login](#)

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
3330	Show	Apple Public Source License 1.2
312	Show	RealNetworks Public Source License 1.0
226	Show	OCLC Research Public License 2.0
123	Show	RealNetworks Community Source Licensing
98	Show	Dual MPL GPL
82	Show	Jahia Community Source License
62	Show	SISSL 1.1 reference 1
46	Show	MPL 1.1 reference
43	Show	Sun Microsystems Binary Code License
42	Show	Phrase
41	Show	Zend
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41	Show	JasPer

- Makefile
- [audio/](#) [224 licenses]
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- buildrc
- [client/](#) [801 licenses]
- [common/](#) [2,644 licenses]
- [datatype/](#) [2,012 licenses]
- [filesystem/](#) [131 licenses]
- [installer/](#) [98 licenses]
- make.bat
- [player/](#) [1,014 licenses]
- [protocol/](#) [212 licenses]
- [video/](#) [461 licenses]

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 UCRegents
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	ILGPL 2.1 reference

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[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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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
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# 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