The Secret Life of Open Source

ApacheCon NA - Vancouver BC
10 November 2011 10a

husted@apache.org
http://www.**slideshare**.net/**ted.husted**

The Secret Life of Open Source

GNU, Apache, PHP, Mozilla, Ubuntu, Wikipedia, LibreOffice -- Today, there are hundreds of open source groups, each with its own culture, methodology, and governance model.

- How are these groups alike?
- How are they different?
- Is there one true path to open source enlightenment,
  or do many paths converge around a common singularity?

Join open source insider Ted Husted as we look behind the curtain to see who's pulling strings that steer your favorite open source projects.

Major players

Serious users

Super Stats

- $909 million Red Hat 2011 revenue

- 3 million GitHub projects

- 80% commercial products with open source code

- 66% market share for Apache HTTP, Nginx and Lighttpd

- > 50% market share for Firefox and Chrome

- 50% blue chip companies fully committed to open source

- 29% growth rate for Android
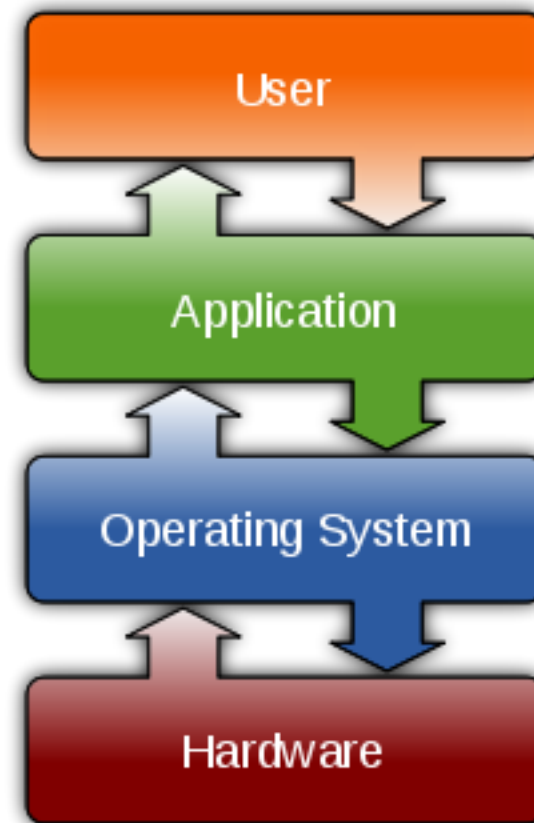
The Secret Life of Open Source

Patch Ready

1964 - PDP-7 introduced. Ultimately, 120 PDP-7s were sold for about $72,000 each.
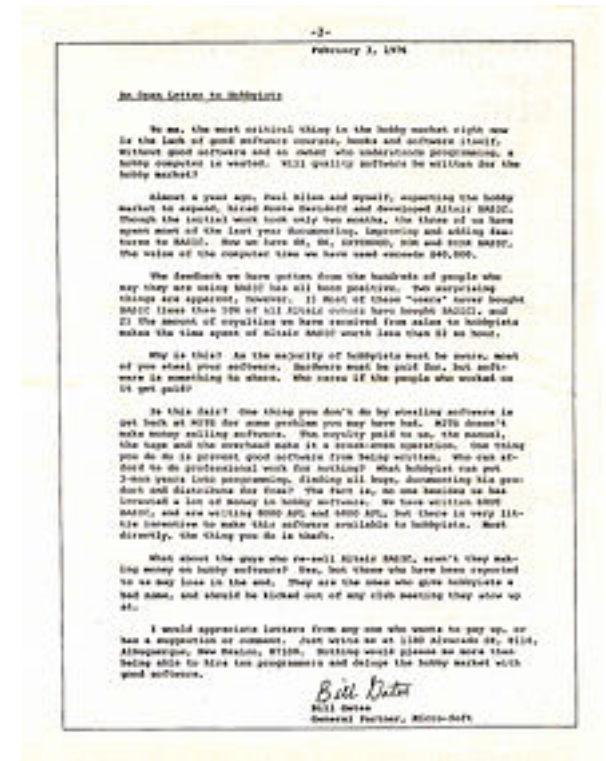
Love, Ken

1973 - Unix rewritten in C by Thompson and Ritchie.

Paper tapes

1975 - Fifty copies of Altair BASIC on paper tape appeared in a cardboard box

Irate Gates

FEBRUARY 3, 1976

most of you steal your software

Apple's birthday cake

1976 Jul - Apple I introduced for $666.66, some assembly required.
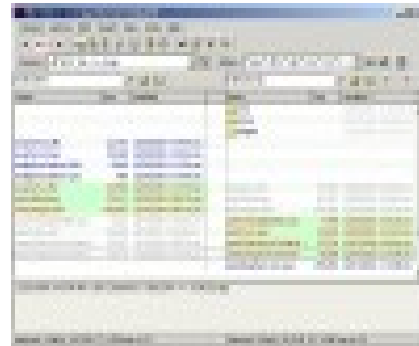
NDAs

Stallman appalled

1983 Sep 27 - GNU Project launched by Richard Stallman.

GNU Emacs and GCC

1985 Mar 20 - GNU Emacs first public release.

Patch and Perl


```perl
my $a = "foo";
if ($some_condition) {
    my $b = "bar";
    print $a;              # prints "foo"
    print $b;              # prints "bar"
}
print $a;                  # prints "foo"
print $b;                  # prints nothi
```

1985 May - Original patch program written.

World Wide What?

World Wide Web

The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists , Policy , November's W3 news , Frequently Asked Questions .

What's out there?
    Pointers to the world's online information, subjects , W3 servers, etc.
Help
    on the browser you are using
Software Products
    A list of W3 project components and their current state. (e.g. Line Mode ,X11 Viola , NeXTStep , Servers , Tools , Mail robot , Library)
Technical
    Details of protocols, formats, program internals etc
Bibliography
    Paper documentation on W3 and references.
People
    A list of some people involved in the project.
History
    A summary of the history of the project.
How can I help ?
    If you would like to support the web..
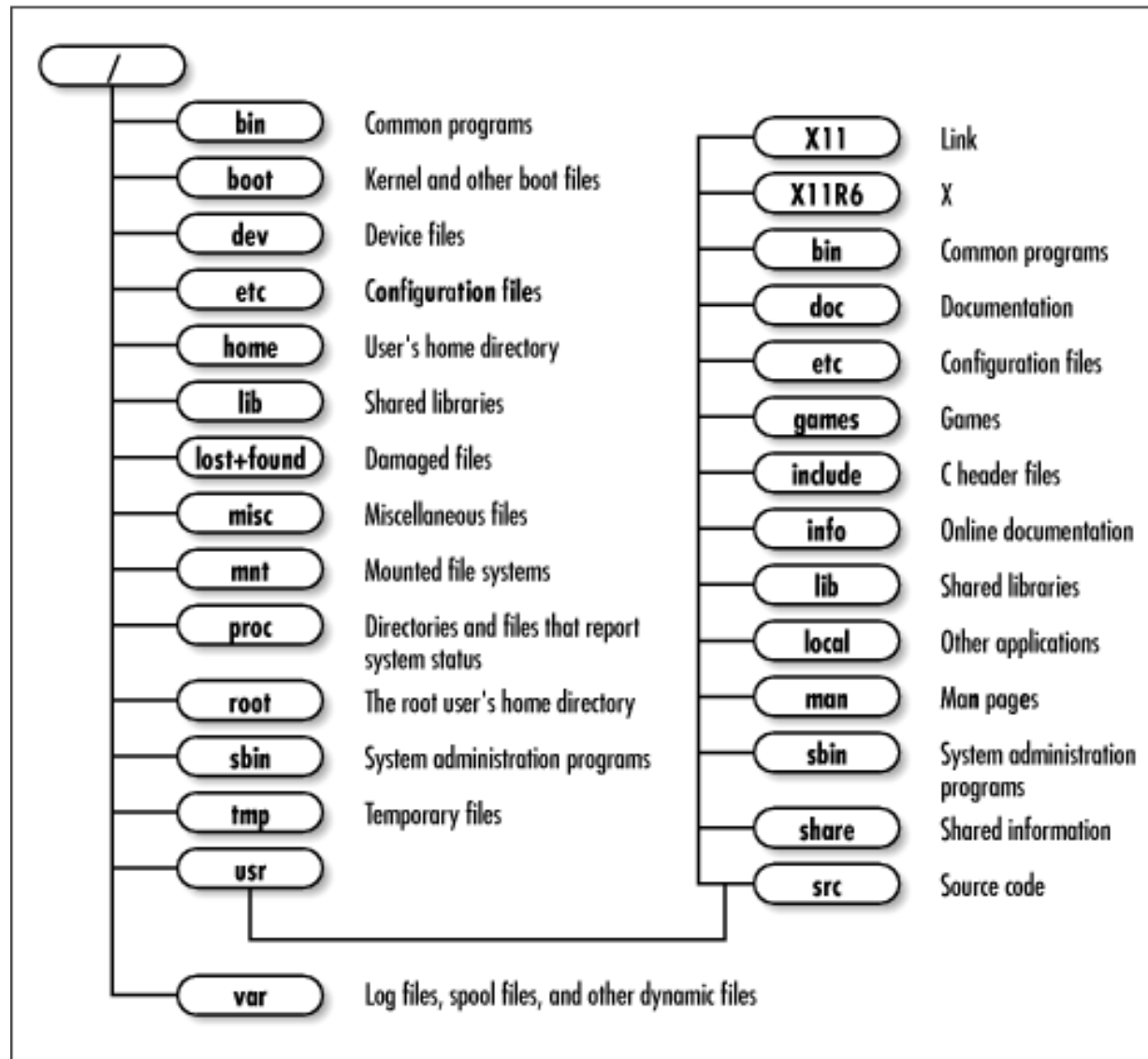Getting code
    Getting the code by anonymous FTP , etc.

1991 August 6 - Info.cern.ch goes online

Linus - Unix = Linux

1991 August 25 - Linux first announced on Usenet.

Deb + Ian = Debian

bin	Common programs		**X11**	Link
boot	Kernel and other boot files		**X11R6**	X
dev	Device files		**bin**	Common programs
etc	Configuration files		**doc**	Documentation
home	User's home directory		**etc**	Configuration files
lib	Shared libraries		**games**	Games
lost+found	Damaged files		**include**	C header files
misc	Miscellaneous files		**info**	Online documentation
mnt	Mounted file systems		**lib**	Shared libraries
proc	Directories and files that report system status		**local**	Other applications
root	The root user's home directory		**man**	Man pages
sbin	System administration programs		**sbin**	System administration programs
tmp	Temporary files		**share**	Shared information
usr			**src**	Source code
var	Log files, spool files, and other dynamic files			

1993 Aug 16 - Debian Project

Ian (Deb not pictured)

McCool hangs five

1994 May - NCSA loses its web developer.

The band gets together
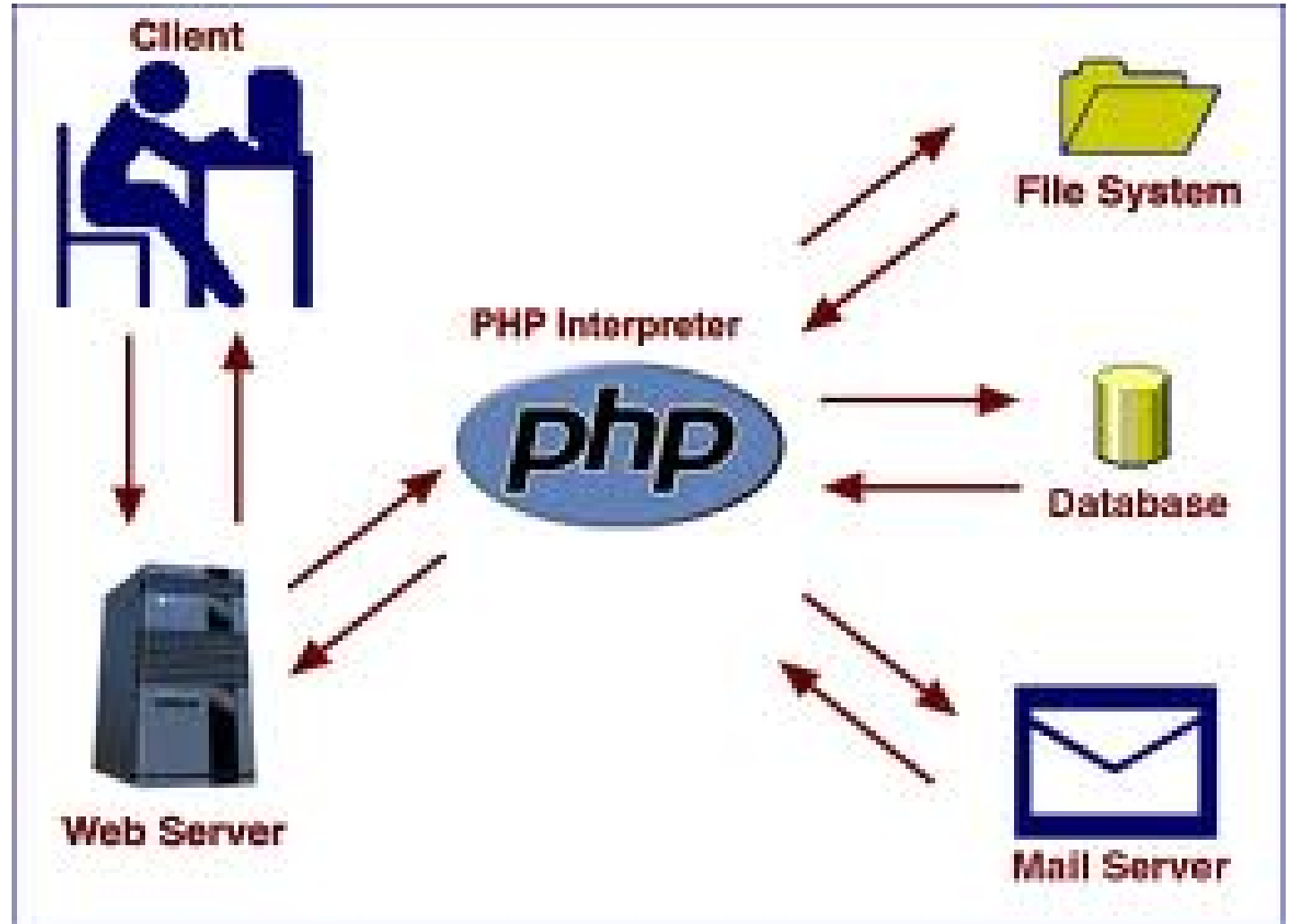

1995 Feb - Apache Group form.

A patchy server

As to the product, we seem to have decided to call it Apache.

(If you're wondering about the name,
say "Apache server" ten time[s] fast.
Europeans may want to fake their best
American accent while trying this). "
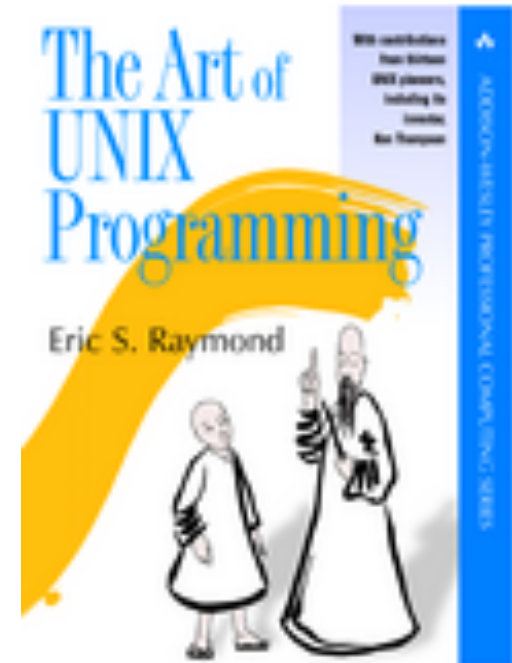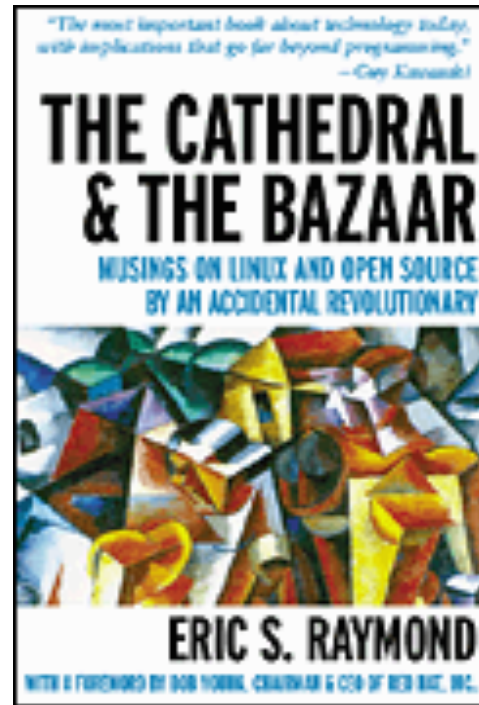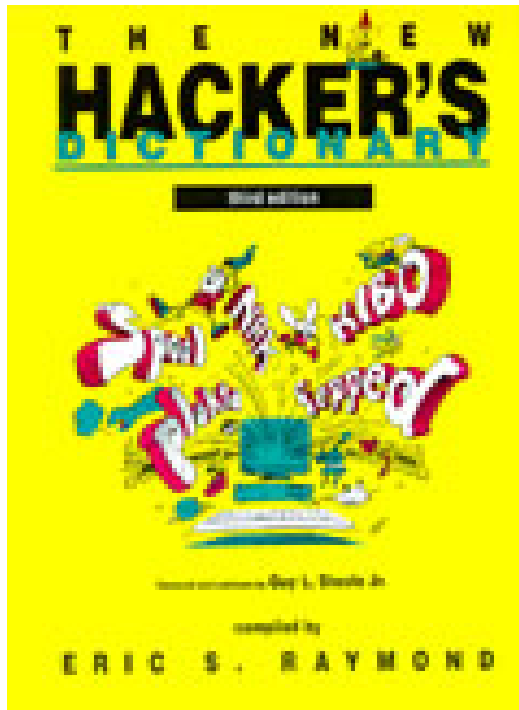
Robert S. Thau, dated 28 Feb 1995 11:20

http://mail-archives.apache.org/mod_mbox/httpd-dev/199503.mbox/browser

Personal Home Page

1995 Jun 8 - PHP released publicly by Rasmus Lerdorf .

Publications

"Given enough eyeballs, all [bugs](#) are shallow."
- Linus' Law

1997 May 27 - The Cathedral and the Bazaar.

Declarations

Debian Social Contract
1. 100% Free
2. Give Back
3. Transparent
4. Free Users First
5. Separate but Equal

Free Software Guidelines
1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of Source
5. Open to Groups
6. Open to Endeavors
7. Distribution of License
8. Open to Products
9. Open to Distributions
10. Technology Neutral

1997 Jul 5 - Debian Social Contract ratified.

Mozilla escapes

1998 Feb 23 - Mozilla Organization created by Netscape.

Apache finds a way

April 13, 1999 - The first official meeting of the Apache Software Foundation (not pictured).

Foundations coalesce

1995-2001

Wikipedia spins off

LARRY SANGER   VS.   JIMMY WALES

Citizendium
beta
The Citizens' Compendium

UPEDIA.COM
THE FREE ENCYCLOPEDIA

2001 Jan 15 - Wikipedia launched by Jimmy Wales and Larry Sanger.

Podlings hatch

2002 Oct - Apache Incubator project created. 2002 Nov 5 - Mozilla 1.0 released.

Linux pops

ubuntu
linux for human beings

~SABDFL~

SHUTTLEWORTH
FOUNDATION

2004 0ct 20 - Ubuntu's first release, with new versions released every six months since.

Office politics

2010 Sep 28 - Several members of the OpenOffice.org project form a new group called "The Document Foundation".
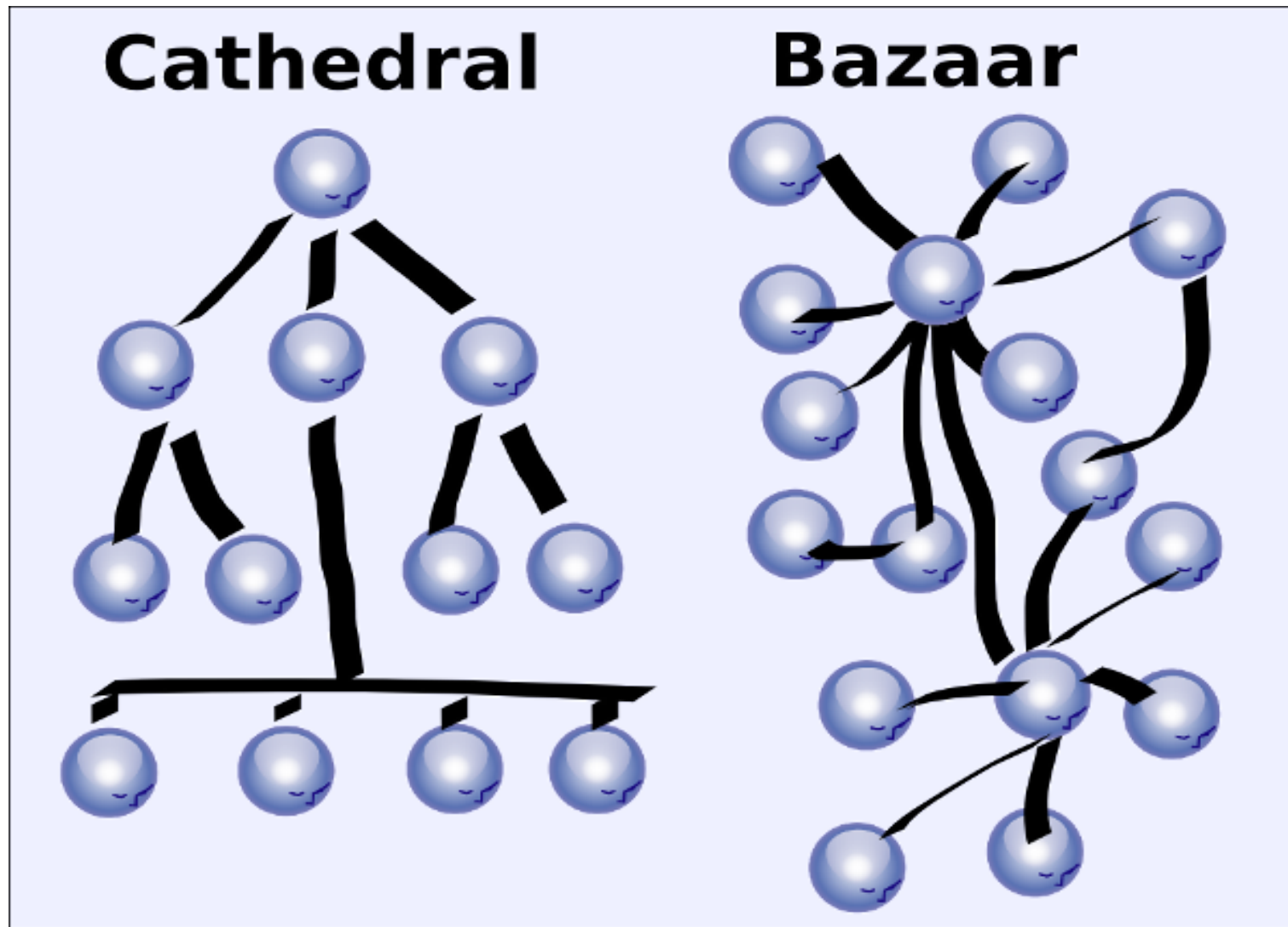
Code, Community, or Conscience

The license is the message

- **Gimme credit** ([Apache](#), [BSD](#), [MIT](#))

- **Gimme fixes** ([MPL](#), [CDDL](#), [LGPL](#))

- **Gimme it ALL!** ([GPL](#)).

Modeling governance

Governance spectrum

- GNU
- JBoss
- Ubuntu

- Mozilla
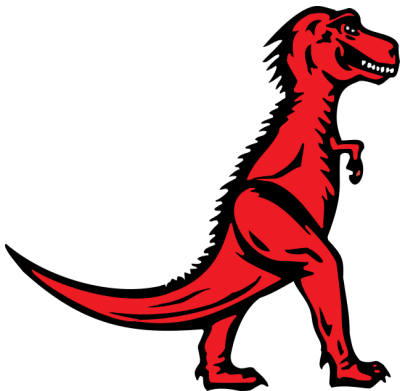- PHP

- Apache
- LibreOffice
- Wikipedia
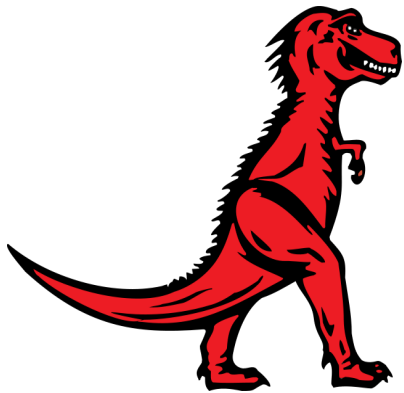
Cathedral -> Bazaar

IYHO
code, community, or conscience

IMHO
code, community, or conscience

IMHO
code, **community**, or conscience

IMHO
code, community, or **conscience**

Scratching an itch

GNU, Apache, PHP, Mozilla, Ubuntu, Wikipedia, LibreOffice,

Getting Involved

Getting Involved

- Quality Assurance
- Bug Fixers
- Tech Writers
- Level one support
- Issue Tracker
- Mailing List
- Web Site

1. Be proactive
2. Begin with the end in mind
3. Put first things first
4. Seek first to understand
5. Think Win-Win
6. Synergize

For more ...

husted@apache.org
http://www.**slideshare**.net/**ted.husted**