



*Going beyond  
Tiki Wiki CMS Groupware*

An integrated suite of open source collaboration & publishing tools for small & medium-sized organizations, featuring Wiki + CMS + Groupware + Commerce + Document Management + CRM + Web conferencing + Video editing + E-learning, etc.

# Tiki Suite

*Aller au-delà de  
Tiki Wiki CMS Groupware*

Une suite intégrée d'outils open-source de collaboration et publication pour des PME et organisations, offrant Wiki, CMS, Groupware, commerce, gestion documentaire, GRC, conférencing, édition vidéo, e-learning, etc.

*12èmes RMLL, 12 juillet 2011, Strasbourg*

*Conférence en Français sur support en Anglais  
(this is the last slide containing french language)*

*Jean-Marc Libs, développeur Tiki, consultant*

*Jonny Bradley, Tiki developer, consultant*



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- What is Tiki Suite?

*The updated status of Tiki Suite is available on-line: <http://suite.tiki.org>*



# What is Tiki?

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# Tiki Wiki CMS Groupware

- **Tightly Integrated Knowledge Infrastructure**
- Combination CMS + Wiki + Groupware +++
- Open Source (LGPL)
- 225 code committers since 2002. “This is one of the largest open-source teams in the world, and is in the top 2% of all project teams on Ohloh.” source: <http://www.ohloh.net/p/tikiwiki/factoids/>
- 4x faster release schedule (every 6 months) than comparable apps (Drupal, Joomla!, Plone)
- 900 000+ downloads so far
- Translated into 40+ languages
- 1000+ pages of documentation
- Runs on standard PHP/MySQL making web hosting **easy and inexpensive**
- Over a **million** lines of code (including 3<sup>rd</sup> party libraries such as jQuery, Smarty and Zend Framework)
- A new code commit **every two hours**
- **But mostly...**



# Permissions & groups

- **Users can be in any number of groups**
- **Groups can be included in groups**
- **Registration system**
- **Over 200 permissions, which can be:**
  - System-wide (global)
  - by item (object)
  - by category (workspaces)

<input type="checkbox"/>	tiki_p_forums_report	forums	Can report msgs to moderator		
<input checked="" type="checkbox"/>	tiki_p_forum_post	forums	Can post in forums	inherited	inherited from Registered
<input checked="" type="checkbox"/>	tiki_p_forum_read	forums	Can read forums		inherited from Anonymous
<input type="checkbox"/>	tiki_p_forum_vote	forums	Can vote comments in forums		
<input checked="" type="checkbox"/>	tiki_p_forum_post_topic	forums	Can start threads in forums	inherited	inherited from Registered
<input type="checkbox"/>	tiki_p_forum_edit_own_posts	forums	Can edit own forum posts		
<input checked="" type="checkbox"/>	tiki_p_view_freetags	freetags	Can browse freetags		inherited from Anonymous
<input checked="" type="checkbox"/>	tiki_p_freetags_tag	freetags	Can tag objects		inherited from Anonymous
<input type="checkbox"/>	tiki_p_admin_freetags	freetags	Can admin freetags		
<input type="checkbox"/>	tiki_p_unassign_freetags	freetags	Can unassign tags from an object		
<input type="checkbox"/>	tiki_p_admin_games	games	Can admin games		
<input type="checkbox"/>	tiki_p_play_games	games	Can play games		
<input type="checkbox"/>	tiki_p_hw_teacher	homework	Can create new homework assignments, see student names and grade assignments		
<input type="checkbox"/>	tiki_p_hw_student	homework	Can do homework assignments		
<input type="checkbox"/>	tiki_p_hw_grader	homework	Can grade homework assignments		
<input type="checkbox"/>	tiki_p_hw_admin	homework	Can admin homework		
<input type="checkbox"/>	tiki_p_edit_html_pages	html pages	Can edit HTML pages		
<input type="checkbox"/>	tiki_p_view_html_pages	html pages	Can view HTML pages		
<input type="checkbox"/>	tiki_p_admin_galleries	image galleries	Can admin Image Galleries		



# What is Tiki? 3/11

## Wiki engine

- Powerful wiki syntax
- Powerful version history and diff engine
- Book and table of content
- Email notification of changes
- Advanced plugins
- Advanced translation synchronization

The screenshot displays a Tiki Wiki interface with a navigation menu on the left and a main content area. The main content area shows a diff between two versions of a page titled "History: Sample page". The diff is presented in a table format with columns for "Lines: 1-2", "Lines: 1-5", "Lines: 7-11", and "Lines: 10-14". The diff highlights changes in text, including the addition of a dropdown list and the removal of sample page elements. The interface also includes a "Site Config" section on the left and a "Login" form on the right.



# What is Tiki?

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# Tracker & form generator & reports

- Create custom application
- Bug tracker, application forms, contact forms, etc.
- Can create reports in wiki pages
- Multilingual
- Can link to other trackers
- 20+ field types:  
text field, text area, checkbox, numeric field, drop down, radio buttons, user selector, date and time, image, category, email, auto-increment, Google Maps, computed field, attachment, etc.

If you want to upload a screenshot, please do so here and copy-paste the wiki syntax into the form below. If you want to upload one files (php, tpl, etc) you will have the opportunity as a second step after this form.

Rating  -2  -1  0  1  2

Summary \*

Priority

Report type

Version  2.x  3.x

Dogfood on a \*.tikiwiki.org site

All / Undefined

Action log

Ajax

Article

Backup

Bug: Consistency

Bug: Regression

Community projects

Feature request

Support request

1.9.x

Accessibility (WAI - 508)

Administration

Alert

Backlinks

Banner

### Tracker: Staff

[List trackers](#) [Monitor](#) [Admin trackers](#) [Edit this tracker](#) [Edit fields](#)

Members of the Department

Tracker Staff [Insert new item](#)

23 items found

[a](#) [b](#) [c](#) [d](#) [e](#) [f](#) [g](#) [h](#) [i](#) [j](#) [k](#) [l](#) [m](#) [n](#) [o](#) [p](#) [q](#) [r](#) [s](#) [t](#) [u](#) [v](#) [w](#) [x](#) [y](#) [z](#) [All](#) on Name and surnames

Name and surnames	User	Group	Group IP	Phone	E-mail	Activity	Office
<a href="#">Armando Bronca</a>	admin	GROC		+34934001122	<a href="mailto:armando.bronca@ub.edu">armando.bronca@ub.edu</a>	Academic and Research Staff	65 <input type="button" value="X"/>



# What is Tiki? Calendar

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- Several calendars
- iCal
- Recurring events
- RSS feeds
- Distinct permissions

The screenshot shows a Tiki calendar interface for February 2009 UTC. The calendar is displayed in a monthly view with columns for each day of the week. The events listed are:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
02/01	02/02	02/03	02/04 TikiFest Brussels	02/05 TikiFest Brussels	02/06 TikiFest Brussels	02/07 FOSEDEM '09, Brussels, Belgium
02/08 FOSEDEM '09, Brussels, Belgium	02/09	02/10	02/11	02/12	02/13	02/14
02/15 TikiFestMadrid	02/16 TikiFestMadrid	02/17 TikiFestMadrid	02/18 TikiFestMadrid	02/19	02/20 RecentChangesCamp..	02/21 RecentChangesCamp..
02/22 RecentChangesCamp..	02/23	02/24	02/25	02/26	02/27 TikiFest Montréal..	02/28 TikiFest Montréal..

On the right side of the calendar, there is a search bar with the text "SEARCH WIKI PAGENAME" and a "KEYWORDS" field. Below the search bar, there is a login form with fields for "Password:" and "Remember me", and a "Login" button. A tooltip is visible over the search bar, showing "09:00 UTC ..." and "FOSEDEM '09, Brussels, Belgium".



What is Tiki? 6/11

# Blog & news articles

- **Several blogs**
- **Topics**
- **Tags & categories**
- **RSS feeds**
- **Permissions**
- **Can use wiki syntax**

## Completing Theme-o-rama module

Posted by [marclaporte](#) on Mon 20 of Aug., 2007 12:54 CST

greenmetal.css & jello.css were missing from Theme-o-rama module and Gary added BRTiki.css lately

I just removed vidiki.css because it's being pulled out of Tiki. (broken & unmaintained)

[Permalink](#)



## Php Layers Menu now in heavy testing!

Posted by [marclaporte](#) on Mon 20 of Aug., 2007 12:37 CST

Hi!

I spent several hours making sure we could access/test all menu types with all the themes on this site.

We have 4 menu types:

- [Basic menu](#)
- [Tree menu](#)
- [Dynamic vertical menu](#)
- [Dynamic horizontal menu](#)

On this site, we have

7 new themes





# What is Tiki? 7/11

## Discussion forums

- Threaded or flat forums
- Mailing list integration
- Can use wiki syntax
- File Attachment
- Email notification of replies

The screenshot shows a forum thread on a Tiki site. The thread title is "FF3 and Kubrick phplayer menu problem". The main post is by user "Rbryn" on Thu 25 of Sept., 2008 11:53 CST, with 8 posts. The thread is sorted by "Oldest first" and has 4368 reads. A reply by "chibaguy" on Thu 25 of Sept., 2008 19:10 CST, with 203 posts, is visible. The reply contains a quote from "Rbryn" and a link to a website. The forum interface includes a search bar, a "To register" link, and a "Last changes" list on the right side.



## File & image galleries

- Hierarchical galleries
- Check-in/Check-out/lock
- Categories for files
- Permissions
- Watch (notification of change by email)
- WebDAV support

ID	T	Filename	Name	Description	Size	Created / Uploaded	Creator	Hits
7		Contacts.xml	CRM DB SCHEMA	DB Schema in XML format for DB Designer 4	94.29 KB	Mon 21 July 2003	soshea★	1902
8		contacts.pdf	crm.pdf	crm design document in pdf	467.20 KB	Mon 21 July 2003	soshea★	2146
9		rrdtool-colors.pdf	RRDtool colors	RRDtool hex color codes (grabbed from cacti)	50.80 KB	Wed 23 July 2003	ddial★	904
		.oc.tgz	PackIt	Packer Source	111.59 KB	Fri 01 Aug. 2003	llagerlof★	312
		tes	tes	tes aja nih	8.21 KB	Thu 07 Aug. 2003	uwirsd★	348
19		200601.xml	Cathedrals, Bazaars and the Town Council	A interesting text concerning free software evolution.	20.57 KB	Wed 13 Aug. 2003	mose★	501
20		bazaar-fr-1998.ps.gz	Cathedrals, Bazaars and the Town Council	A interesting text concerning free software evolution.	31.84 KB	Wed 13 Aug. 2003	mose★	354
24		bazaar-v0-1998.pdf	Cathedrals, Bazaars and the Town Council	A interesting text concerning free software evolution.	77.14 KB	Sun 17 Aug. 2003	mose★	1064
42		SimpleCSSEdit.swf	SimpleCSSerror	An obsolete flash file showing rendering issues of Simple style. These issues has been already fixed in Tiki.	424.34 KB	Thu 11 Dec. 2003	DennisDaniels★	742
45		LinkingErrorsintiki.swf	movie of errors in cvs	flash	593.01 KB	Fri 09 Jan. 2004	DennisDaniels★	555



# What is Tiki? 9/11

## Multilingual

- Translated to 35+ languages
- Wiki has awesome i18n change tracking
- Wiki-translation.com

### Update 'Call for Participation' based on 'Appel à Participation'

espèrent trouver des façons de rejoindre de nouvelles communautés linguistiques. Le financement est confirmé pour les participants ayant besoin d'aide avec les coûts de transport.

espèrent trouver des façons de rejoindre de nouvelles communautés linguistiques.

#### Thèmes abordés

Les thèmes qui pourront être abordés dans l'atelier comprennent, sans s'y limiter:

- Méthodes de traduction collaborative
- Projets de traduction

**Note:** This edit session will expire in 24 minutes. **Preview** or **Save** your work to restart the edit session timer.

Edit:

Babel Wiki Workshop: Cross-Language Collaboration



!Workshop Goal

The goal of this workshop is to explore how wikis and



What is Tiki? 10/11

# The Tiki model

- Wiki community
- Wiki way participation to the code
- All-in-one codebase
  - Inherent synchronized releases
- Lots of features, but no duplication
- Dogfood
- Scheduled releases (twice per year)
  - LTS every 3-4 releases
  
- [tiki.org/Model](http://tiki.org/Model)



## Benefits & challenges

- Offers **benefits**

- Tons of features, without duplication, excellent code re-use and code review, more collaboration, tight integration, easy upgrades, excellent interaction between features, etc.
- Permits huge changes between versions **because** we don't have to worry about breaking 3<sup>rd</sup> party extensions.

- But does bring **challenges**

- Huge code base to maintain.
- Admin panels
  - hundreds of features
  - with a total of over 1000 settings/options! (we had to add a search!)
- Learning curve: 1000+ pages of documentation
- What should be sensible defaults?



# Why Tiki Suite?

## Use case

1/7

- 2 to 100 employees, volunteers, members, ...
- External consultants, partners & volunteers
- Multilingual, distributed & mobile work force
- Knowledge workers
  
- This represents **millions** of organizations



# Diverse needs

- CMS / Portal / Blog / Publishing
- Intranet / Extranet / Collaboration / Document Management / Wiki / Groupware / Project Management / Forms / Framework
- CRM / Customer support / Social Networking
- E-Commerce / ERP / Accounting
- Online training / tech support / Issue tracker
- Web conferencing / chat / telephony
- Etc.



# Why this evolution?

- Tiki: the Open Source Web App with most built-in features
- Tiki is PHP / MySQL / Zend Framework / Smarty / jQuery
- But starting to be limited by its technology (PHP/MySQL/JavaScript on **shared hosting**) to address all the needs. Some functionality, like video editing, doesn't make sense in PHP/MySQL.





Why Tiki Suite?

4/7

# Answering challenges

- Multiple systems
- Diverse needs
- Desktop centric
- Interoperability is very difficult
- Difficult to do tech support



# Trend to suites

- **“It’s best to do one thing really, really well.”**  
–Google
- Google started just with search. And now? :-)



## Why Tiki Suite?

6/7

# Tiki NIH Syndrome?

- **Tiki bundles a lot of outside code!**
- Zend Framework, including Zend\_Search\_Lucene
- jQuery & jQuery UI javascript library
- jQuery Mobile
- Smarty template engine
- CKEditor WYSIWYG
- Simile widgets (timeline)
- SWF upload
- HTML Purifier
- SVG-edit drawings
- jquery.sheet spreadsheet
- jquery.s5 slideshow
- Raphaël graphics & charts
- Mobile ESP (mobile device detection)
- OpenLayers maps
- CodeMirror Syntax highlighting
- Minify library
- NuSOAP
- Some Pear and Zeta libs (Pear-Auth, XML-RPC, Net\_LDAP2, WebDAV, etc.)
- phpCAS
- Many more...



## Tiki interoperability

- BigBlueButton Web conferencing
- XCache, Memcached and APC
- R (statistics & maths for any science)
- GD & ImageMagick
- Zotero (references)
- OpenStreetMaps, MapServer and GoogleMaps
- Cclite (community currency)
- Various authentication (phpBB, LDAP, Shibboleth, CAS, OpenID, etc.)
- Subversion
- Kaltura video platform
- 40+ examples at <http://doc.tiki.org/Interoperability>



What is Tiki Suite? 1/15

# Is Tiki Suite vaporware?

- Uh... Yes and no :-)
- The good: Tiki already integrates with several major components (BigBlueButton, Kaltura, etc.)
- The bad: It's still a manual process to assemble all the parts of the Suite
- The ugly: Some parts of the Suite have yet to be decided on.



What is Tiki Suite? 2/15

# How to pick apps?

- This is a long-term strategic decision
- Sound architecture/technology?
- Compatible license?
- Compatible community model?
- Active community?
- Same programming languages as us?
- Is SaaS available?



What is Tiki Suite? 3/15

# There are risks

- SalesForce bought DimDim web conferencing, and ceased open source version
- Google Wave shut down because “Wave has not seen the user adoption we would have liked”
- Shadowbox component changed its licence, so we switched to colorbox



What is Tiki Suite? 4/15

# BigBlueButton

- Audio-Video-Chat-Screensharing-Whiteboard
- Flash front end. Composed of a dozen Open Source components (Asterisk/Freeswitch, Red5, Java, Tomcat, etc.). Android client (only chat for now)
- Deployed as an Ubuntu Server appliance.  
License: [LGPL]







What is Tiki Suite? 5/15

# Kaltura video platform

- Full-featured platform
- Recording from webcam
- Handles transcoding
- Flash editor permits collaborative video editing (awesome!)
- HTML5 player
- Ubuntu Server Appliance
- License: AGPL SaaS available.





# What is Tiki Suite? 6/15

## ISPConfig

- Web interface to manage a server (mail accounts/anti-spam/DBs/etc.)
- Reselling hosting / multi-server
- Works with many OSs including Ubuntu
- PHP/MySQL [License: BSD]
- Alternative to Webmin (Perl)

**ISPConfig**



What is Tiki Suite? 7/15

# Operating System

- Since Kaltura & BigBlueButton are both on Ubuntu Server, it's an obvious choice.
- However, Kaltura and BigBlueButton will run on distinct (v)servers to facilitate upgrades.
- ClearOs is also being considered.





# What is Tiki Suite? 8/15

## Clipperz

- HTML & JavaScript password management
- One click-login
- Offline version (one HTML/JS file!)
- All encryption is done client-side
- **zero-knowledge** web application
- Free SaaS or self-hosted
- PHP / JavaScript / MySQL [AGPL]





## Piwik

- PHP/MySQL Web analytics [GPL]
- Easy to integrate, nice feature set, nice UI.
- There is a mobile client
- [Open Web Analytics](#) is an alternative (PHP/MySQL) [GPL]





# What is Tiki Suite? 10/15

## LDAP

- OpenDJ or OpenLDAP or ?





# What is Tiki Suite? 11/15

## Others

- Seo Panel: Keyword Position Checker, Sitemap Generator, Backlinks Checker, Directory Submission Tool, etc (PHP/MySQL) [GPL]
- Zotero to collect, manage, and cite research sources.
- StatusNet micro-blogging





# What is Tiki Suite? 12/15

## Client software

- Any modern Web browser

- Take advantage of HTML5 anytime possible
- Used to connect to BigblueButton, Kaltura, Tiki, etc.



- Thunderbird

- Offline email, etc.
- Connect to OpenLDAP (which is part of ClearOS) for the address book.



- Cyberduck

- FTP, SFTP, WebDAV for Mac & Windows
- WebDAV client for double-click access to files stored in Tiki
- GPL







# What is Tiki Suite? 13/15

## Client software: Jitsi

- Jitsi (previously SIP Communicator) is a cross-platform VOIP, videoconference, desktop sharing and chat client.
- Protocols supported include SIP, XMPP/Google Talk/Jabber/Facebook chat, AIM/ICQ, Windows Live, Yahoo! Messenger and Bonjour.
- Other features include: Call recording, Call & chat encryption, Noise suppression, Echo cancellation, File transfer, multi-user chat, Desktop streaming, Presence, Conference calls, Integration with Microsoft Outlook and Apple Address Book, Support for LDAP directories, Support for Google Contacts, On-line provisioning, Systray notifications, IPv6 support, Spell checker and many more.

License: LGPL

<http://jitsi.org>

Will also act as System tray notifier (receive alerts, etc.)





# What is Tiki Suite? Mobile

14/15

- Support for mobile browsers (via jQuery Mobile for Tiki features)
- BigBlueButton client for Android
  - <http://bigbluebutton-blog.blogspot.com/201>
- Piwik client for Android and iOS
  - <http://piwik.org/mobile/>





# What is Tiki Suite? 15/15

## RoadMap

- Tiki7 (June 2011)

- 
- Pick all major components. Contact communities and get collaboration rolling.

- Tiki8 (October 2011)

- Compatibility challenges are discovered (workaround, fix, etc.).  
Ex.: Piwik & Clipperz conflict!

- Tiki9LTS (April 2012)

- Create a Tiki Suite Appliance (replace our current live Tiki CD)



# Questions?

- Tiki Suite development: [dev.tiki.org/Suite](http://dev.tiki.org/Suite)
- Tiki Suite presentation: [suite.tiki.org](http://suite.tiki.org)
- The Tiki model: [tiki.org/Model](http://tiki.org/Model)
- Jean-Marc Libs: [jeanmarc.tiki@gmail.com](mailto:jeanmarc.tiki@gmail.com) [jyhem@tiki.org](mailto:jyhem@tiki.org)
- Jonny Bradley: [jonny@tiki.org](mailto:jonny@tiki.org)
- Community manager: [marclaporte@tiki.org](mailto:marclaporte@tiki.org)
- WikiFest stand (Jean-Marc & Jonny)





Thank you

<http://tiki.org>

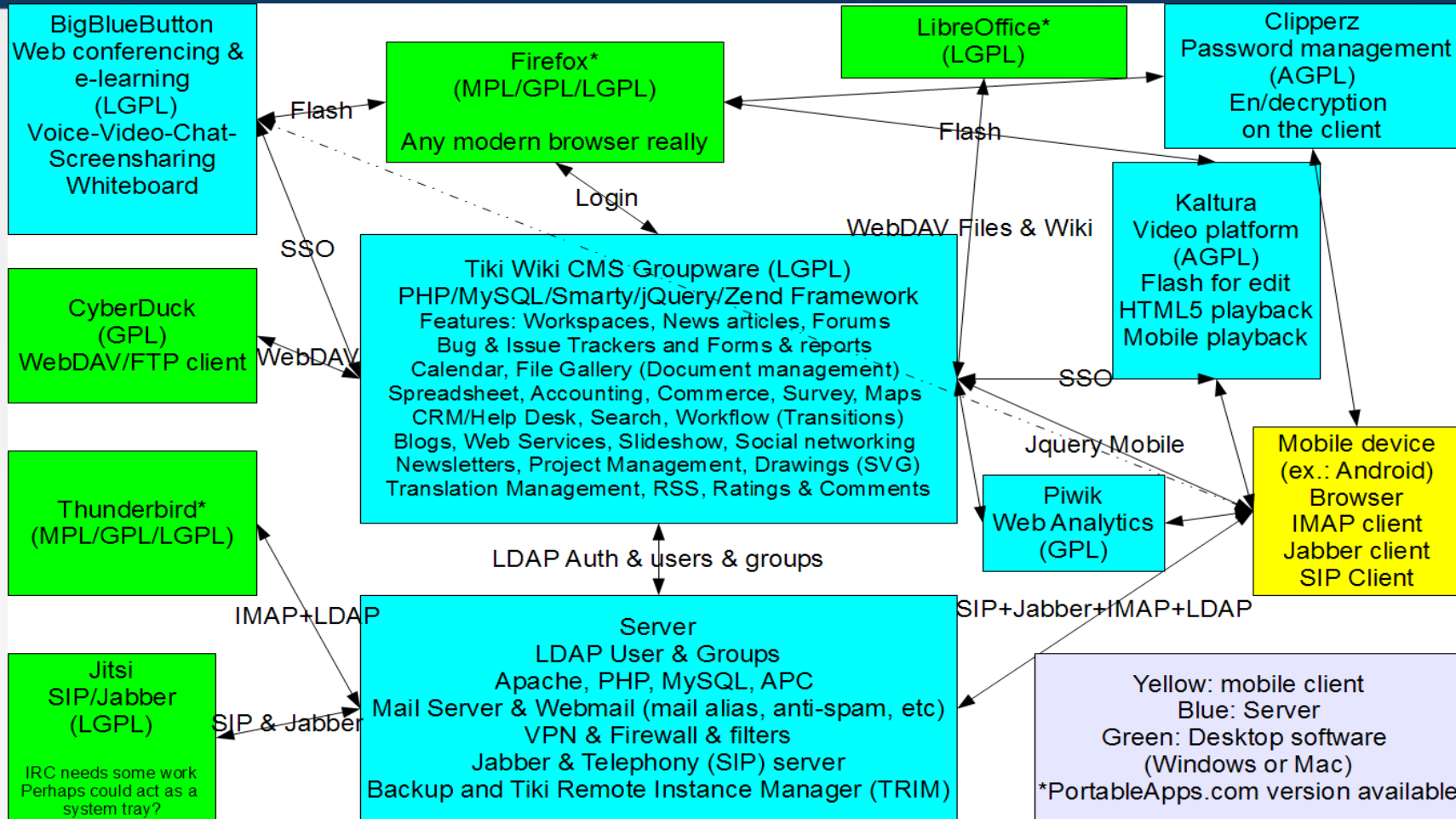


# Bonus slides

- Bonus slides below...



# Preliminary schema



This will not work on shared hosting and will require **VPS**(external link) or **dedicated server**(external link) hosting.

Actually, you will need several dedicated servers. To keep things simpler, the plan is to keep some of the component on distinct servers (ex.: Kaltura and BigBlueButton are easy to deploy to a server, but it gets trickier if you try to put both on the same server).



# CMF approach

- Some content management frameworks offer a common platform with thousands of extensions, which you pick & tailor to your needs.
- Better than “best of breed approach”, but still suffers from “Combinatorial explosion” for interoperability. Drupal: 7500 modules Joomla!: 7000 extensions. Almost each install with have a different combination of modules and versions. In Tiki, the code base is identical, and only the preferences configuration differs.
- Distributions are helpful here. However, “Paradox of choice” for extensions (compatibility and abandoned modules, upgrade difficulties, etc) leads to a 2-3 year release cycle for the core, which is too slow.





# Major enhancements in 3

- Webservices
- Semantic wiki links and mind mapping
- Tiki Remote Instance Manager (TRIM) (for wikifarms)
- Revamp of install and upgrade scripts
- Profiles for easy configuration
- JQuery added as experimental
- Zend Framework
- Has been picked as Long Term Support (LTS)
- Release date: May 2009 <http://doc.tiki.org/Tiki3>



# Major enhancements in 4

- Google Summer of Code 2009
    - Workspaces & Perspectives
    - Kaltura integration (Collaborative video editing)
    - MediaWiki convertor
  - JQuery added as default
  - Revamp of edit interface
  - PDO as default
  - GroupMail
  - Memcached
  - Multi-domain support
- Release date: November 2009 <http://doc.tiki.org/Tiki4>



# Major enhancements in 5

- Integration with BigBlueButton (Chat/Voice/video/screensharing)
- Shopping Cart & payments, incl. group subscriptions
- WebDAV support
- Spreadsheet upgraded to jQuery and jQueryS5 Slideshow
- Searchable admin panels (!)
- Token Access
- MySQL replication
- Advanced Rating & Metrics Dashboard
- Performance enhancements (front & back-end) including CDN support
- RSS to native articles (planet-type sites)

Release date: June 2010 <http://doc.tiki.org/Tiki5>



# Major enhancements in 6

- Improved Shopping Cart (started in Tiki5)
- Improved UTF-8 support
- Community Currencies with CCLite
- Blog revamp and New CAPTCHAs using Zend\_Captcha.
- Contribution: Who wrote What in any wiki page version
- Mass search and replace tool for wiki admins
- Performance admin panel : APC and XCache monitor
- Connect to Source control (ex.: SVN)
- Ustream Watershed integration

Release date: November 2010 <http://doc.tiki.org/Tiki6>



# Major enhancements in 7

- HTML5 (Canvas, etc) (dropped support for IE6)
- Accounting (double-entry bookkeeping system)
- Draw with SVG-edit
- Mobile with jQuery Mobile and MobileESP device detection.
- OpenStreetMap and OpenLayers
- SEO: Canonical URLs
- CodeMirror Syntax Highlighter
- WordPress importer
- Zotero integration
- TimeLine viewer (Simile widgets)
- Zend Framework 1.11 and Unified Search via Zend\_Search\_Lucene
- Theme generator and header/footer/modules revamp

Release date: June 2011 <http://doc.tiki.org/Tiki7>



# Major enhancements in 8

- Smarty 3
- Trackers revamp
- Distributed Timesheet
- Tiki Suite
- Print revamp
- What do ***you*** want to see?
  
- <http://dev.tiki.org/Roadmap>
- Planned release date: October 2011 <http://doc.tiki.org/Tiki8>