

Introducing the Joomla! 1.5 API

NYPHP

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The Presenter

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A Quick Security Update

- JamboWorks defaced
- Mass automated attacks on web
- What to do?
 - Subscribe to security sub-forum
 - Buy *Hardening Apache*, by Tony Mobily
 - Do what he says!
 - Portsentry, and be aggressive
 - Logwatch, and be aggressive
 - Regular audits

Background

- Joomla! was born in September 2005
- Joomla! 1.0.0 <-- Mambo 4.5.2.4 (plus some goodies)
- Initially was a rebranding effort

The Problems

- Still had old Mambo references (yuck)
- Procedural legacy code (double yuck)
- Brittle, difficult to improve without significant effort (triple yuck)

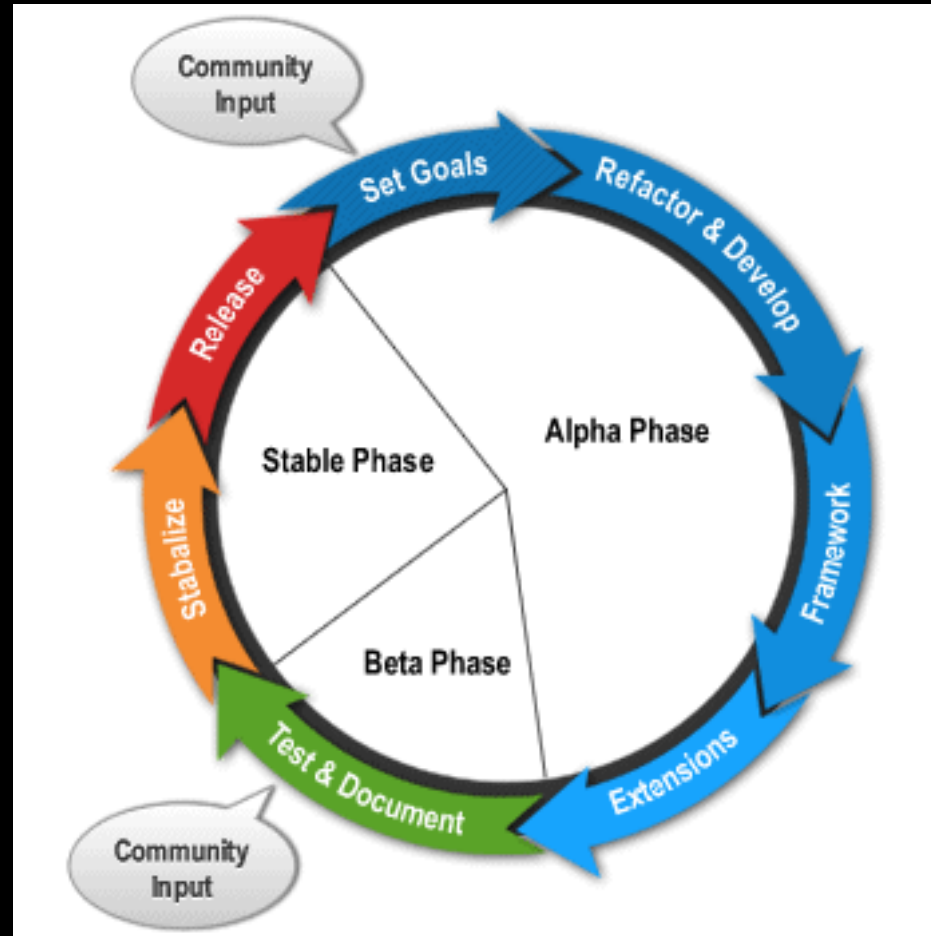
The Challenge

- International community throws down the gauntlet: “Give us internationalization, or lose us forever!”

The Plan

- Implement UTF-8
- Refactor where possible

The Process



The Result

- UTF-8 support, mission accomplished!
- Complete core refactor
- Modification of 3PD libraries, some required replacement outright
- Tick, tock, tick, tock...

Enter Joomla! 1.5

- The result of the i18n efforts, as well as the total refactor of the core
- Dedicated to OO benefits and advancements in functionality
- Much better naming consistency
- More flexible
- More power
- More simplicity

1.5 Developer Features

- FTP Filesystem Layer
- Database Drivers
- Tiered application architecture
- Registry class
- Installer cleanup
- Plugin system (observer)
- Document class

1.5 API – Flexibility

- Focus on moving to objects/classes
- Dedication to patterns
- Less core modifications necessary

1.5 API – Power

- More methods
- Events
- Extended plugin architecture
- Error handler
- Yes, I said ERROR HANDLER
- XML-RPC

1.5 API – Simplicity

- Rationalized API
- Core apps provide reference implementation
- Easier to keep your customization in one place

1.5 Surprises

- Joomla! 1.5 and accelerators are a perfect pair for performance and scaling
- Base architecture for all the missing features is now in place – next up, all the other missing pieces
- We did what a lot of developers were wanting in the first place

Developer Resources

- Joomla! Developer Portal
(<http://developer.joomla.org>)
- Joomla!Forge Developer Platform
(<http://forge.joomla.org>)
- Joomla! API Documentation
(<http://api.joomla.org>)
- Joomla! Extension Directory
(<http://extensions.joomla.org>)
- Joomla! IRC Channel

Commercial Experiences

- JamboWorks
 - JamboZine
 - JamboCommerce
- Lessons learned
 - Life as a commercial 3PD
 - Implementing larger sites
 - Close up experience satisfying sophisticated clientele

Community Questions

- How to customize without breaking upgrade compatibility?
- Available add-ons?
- SEF/SEO?
- Minimal install?
- Importing a static site?
- One instance, multiple domains?

Open Discussion

“Stump the Geek”