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 refactoring 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”