

# Mambo Content Management Server

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# What is Mambo?

- Mambo is an award winning Content Management Server (CMS) that was written on the AMP platform
- Famous for ease of use and lightweight requirements
- Simple to administer
- Multi-platform (requires Apache, PHP and MySQL)

# Recognition



Mambo won Best Open Source Solution and Best Overall Industry Solution at LinuxWorld Boston 2005

# Why is that a big deal?

- We've shown a FOSS application can outperform the best that the commercial/proprietary sector has to offer
- Provided evidence that developers can make a career out of developing products with Mambo as the foundation
- We've proven that businesses can use FOSS software to their benefit
- We've demonstrated an excellent use of LAMP technologies with a wide appeal

# About Me

- Mambo Core Developer
- Business-driven, advocacy of Mambo and FOSS
- Pitches Mambo to 3<sup>rd</sup> Party Developers (3PDs)
- Focused on database technologies and user interface
- Strong background of operations, administration and security
- Position: database specialist, comic relief

# About the Teams

- Two separate teams:
  - Mambo Core: focused on next major release (5.0.0)
  - Mambo Maintenance Team (MT): dedicated to supporting existing stable series (4.5.2.1) through 2005 calendar year
- Documentation team
- Other special focus groups (PR, Advocacy etc.)

# About the Community



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# mamboserver.com

- 23,000 forum users
- New documentation site ([help.mamboserver.com](http://help.mamboserver.com))



# mamboforge.net

- ~20,000 developers
- ~1,000 projects
- ~4 million page views monthly
- More than 3 million downloads



# Mambo History

- Early 2000 – Miro release Mambo 1.0
- March 2001 – mamboserver.com
- June 2001 – Mambo Open Source 3.0
- Early 2002 – Mambo 2002 (commercial release)
- Mid 2002 – Robert Castley - Development Director
- Dec 2002 – Mambo Open Source 4.0
- Nov 2003 – Mambo Open Source 4.5
- Aug 2004 – Mambo Open Source 4.5.1\*
- Nov 2004 – Andrew Eddie - Project Leader
- Feb 2005 – Mambo Open Source 4.5.2 (and 4.5.2.1)

# Mambo Future Plans

## Mambo 5.0.0 Release, Mid 2005

- Database Abstraction
- Access Control Lists
- Multi-lingual
- Advanced Templating
- Web Services
- Logical Content Management
- Improved File Management
- Improved Installer
- Simplification of Content Creation

# Mambo Future – Database Abstraction

- Using the ADODB library for low-level database abstraction
- Mambo to support
  - PostgreSQL
  - MySQL
  - Microsoft SQL Server
  - Others



# Mambo Future – Access Control Lists

- Ability to add custom groups
- GUI interface to assign action based permissions eg. Edit configuration, or templates or content
- Restrict content access by user group e.g. content for company managers can only be seen by people in that group

# Mambo Future - Multilingual

แมมโบลายไทย ระบบจัดการเว็บไซต์


แผงควบคุม เว็บไซต์ บทความ คอมโพเนนต์ โมดูล แมมบอท กล้องข้อความ ระบบ ช่วยเหลือ

LaiThai Mambo / com\_admin

0 0 ออกจากระบบ admin

ช่วยเหลือ

The configuration details have been updated!

 **แผงควบคุม**

การจัดการเมนู      การจัดการเนื้อหาโมดูล      บทความการ

เพิ่ม/แก้ไข หมวดของเนื้อหา      เพิ่ม/แก้ไข ประเภทของเนื้อหา      บทความทั้งหมด

การจัดการอีริไซต์      ตั้งค่าคอนเทนต์      ช่วยเหลือ

คอมโพเนนต์:  อ่ามากที่สุด  บทความล่าสุด  สก๊ดี

**เว็บไซต์**

- รายการเว็บไซต์
- ประเภทเว็บไซต์

**แม่แบบ**

- จัดการแม่แบบ
- จัดการลูกตา

**ไฟล์**

**Syndicate**

**การดึงข่าวสาร**

- จัดการดึงข่าวสาร
- จัดการประเภท

**รายงานผล**

- สุ่มรายงานข้อมูล
- คู่มือรายงานข้อมูล
- อัปเดตรายงานข้อมูล

**กติก**

- จัดการกติก
- ประเภทกติก

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# Mambo Future – Advanced Templating

- Easier customization
- Web Standards e.g. XHTML
- Site Skins
- Right to left presentation

The screenshot displays the Mambo 4.5.1 website interface in Hebrew, demonstrating a right-to-left (RTL) layout. The page is divided into several sections:

- Left Sidebar:** Contains navigation and utility links such as "הדרות דפדפן" (Browser settings), "סקרים" (Surveys), "בחר עיצוב" (Choose skin), "הכי נוצפה" (Most viewed), and "תפריט ראשי" (Main menu).
- Main Content Area:** Features a central article titled "גירסה חדשה לממבו 4.5.1 - יציב שוחררה!" (New Mambo 4.5.1 version - stable release!). The article text is written in Hebrew and includes a link to the download page: <http://mamboforge.net/frs/download.php/2027/MamboV4.5.1-Stable.tar.gz>.
- Right Sidebar:** Contains additional navigation and utility links such as "התחבר" (Log in), "מחברים נרגע" (Members), "חברים מחוברים" (Online members), and "ניסוח" (Language).

# Mambo Future – Other (cont.)

- Web Services
  - Remote connection to a Mambo site e.g. via XML-RPC or Java
- Logical Content Management
  - Replace current Category/Section structure with a hierarchical tree of folders
  - Content can be linked to more than one folder
- Improved File Management
  - Not limited to the /images/stories directory



# Mambo Future – Other (cont.)

- Improved Installer
  - Install packages in one go. A Package could be a combination of component, module, template, language file.
- Simplification of Content Creation
  - Strengthen what Mambo does best
  - Make Mambo the simplest CMS to use

# Mambo Future – So I Lied

- 4.5.3 uses ADOdb (done in cvs)
  - Full database neutrality
  - Uses XMLSchema for installation
- Significant updates to API documentation as a result
- Automated testing for Mambo core/maintenance development
- Testing program for 3PDs

# Creating Mambo the FOSS Way

- Through Collaborative technologies such as forums and online bug tracking software -- information on best practices, software problems and next steps are shared and communicated.
- An engaged community provides superior feedback.
- Testing within the community increases the speed and quality of development.
- As other Mambo users leverage the tools provided by Mambo, new Components, Templates and Modules are shared with other like-minded users. Develop once, and everyone gains.

# Enough Already, How Does it Work?

- Templates – control the layout of the site
- Modules – chunks of functionality for specific purposes, usually no configuration necessary
- Components – complete integrated applications, complete with back-end administration interface
- Mambots – logic that executes on content for rendering

# Demo - Templates

- Consist of HTML and CSS
- Minimal PHP markup required
- Dreamweaver extension available
- Demo online at <http://demo.mambohut.com/>

# Demo – Modules

- Contained application that does something specific
- Not a replacement for content!
- Can replace existing menus ( e.g. with JSCook, Suckerfish)
- Can be integrated with Components
- **EXAMPLE: Most Popular**

# Demo - Components

- Contains complete application
- Includes administration interface for back-end
- Can have complimentary Components
- **EXAMPLE:** Links

# Demo - Mambots

- Typically used for content processing
- Includes WYSIWYG editors
- Can include custom search facilities
- **EXAMPLE:** TinyMCE



# Resources

- [www.mamboserver.com](http://www.mamboserver.com) – the home site
- [www.mamboforge.net](http://www.mamboforge.net) – 3rd party developer site
- [help.mamboserver.com](http://help.mamboserver.com) – documentation site
- [forum.mamboserver.com](http://forum.mamboserver.com) – community forums
- [demo.mambohut.com](http://demo.mambohut.com) – template demos
- [www.mambosolutions.com](http://www.mambosolutions.com) – dreamweaver extension, various templates
- [www.simplemachines.org](http://www.simplemachines.org) – home of SimpleMachines Forum

# The End

Questions and Comments

“Stump the Geek”