



Joomla 1.6

Lifting the lid ...

Andrew Eddie - 7 June 2009



The bad news ...

He who rejects change is the architect of decay. The only human institution which rejects progress is the cemetery.

Harold Wilson

Change is always required to progress software and for Joomla 1.6, this is no exception.

System Changes

- Significant upgrade in server requirements
 - PHP 5.2+
 - MySQL 5.0.4+
 - Joomla 1.6 will not work at all on less!



The importance of checking your hosting now cannot be overstated. Hosts running retired versions of PHP and MySQL won't support Joomla 1.6.

Extension Design

- No legacy mode - extensions must run 1.6 native
<http://www.theartofjoomla.com/converting-old-extensions.html>
- ACL not fully backward compatible
- Default template layouts will change
 - Legacy layout pack will be provided
- JForm (<params> to <fields>)



Extension designers must prepare for the jump to Joomla 1.6. If you are running natively on the Joomla 1.5 Framework API, you are in a good place. If your extension relies on Legacy Mode, it will not work at all in Joomla 1.6. Some small changes to your core code will be required to bring extensions in line with the new ACL features.

Removed

- 1.0 legacy layer (plugins, files)
- Polls component
- PDF support?
- XML-RPC application and plugins
 - replaced with protocol controllers
<http://groups.google.com/group/joomla-dev-cms/msg/fc456fb178026163?hl=en-GB>



Removed

- API:
 - patTemplate, DOMIT, PEAR
 - phpgacl (rewritten into the framework)
 - phpInputFilter, phputf8, tcpdf
- Administrator mod_stats, mod_footer
- xstandard editor



Users of patTemplate should move to using JView. The built-in XML handling in PHP 5 removes the need for DOMIT (which is no longer maintained).

Moved

- Openid libs to plugin
- Geshi to plugin (currently AWOL??)



Major Changes

- Sections removed (merged into categories)
- Frontpage to Featured
- Frontend com_user to com_users
- Mootools 1.2 (with every attempt to make frontend jQuery and 'others' friendly)
- All frontend layouts redesigned



The two-level section-category hierarchy will be merged into a single categories tree. This will affect the frontend layouts and arrangements of menu items. Every attempt will be made to make the frontend jQuery (or other JS framework) agnostic *except* where the core extensions require Mootools to provide functionality.

Major Changes

- Frontend `mod_mainmenu` to `mod_menu`
- Parameters stored in JSON (not INI)
- Language files must be re-written to conform with INI standard
- Some URLs will change



Language file keys will no longer be able to contain spaces and punctuation. All core language strings are being reworked with namespacing to give translators more opportunities to place the use the most contextually correct word or phrase in appropriate locations. Some URL will inevitably change (mainly due to the merging of sections and categories).

Upgrading?

Lifting the lid on Joomla 1.6 - Andrew Eddie - 7 June 2009



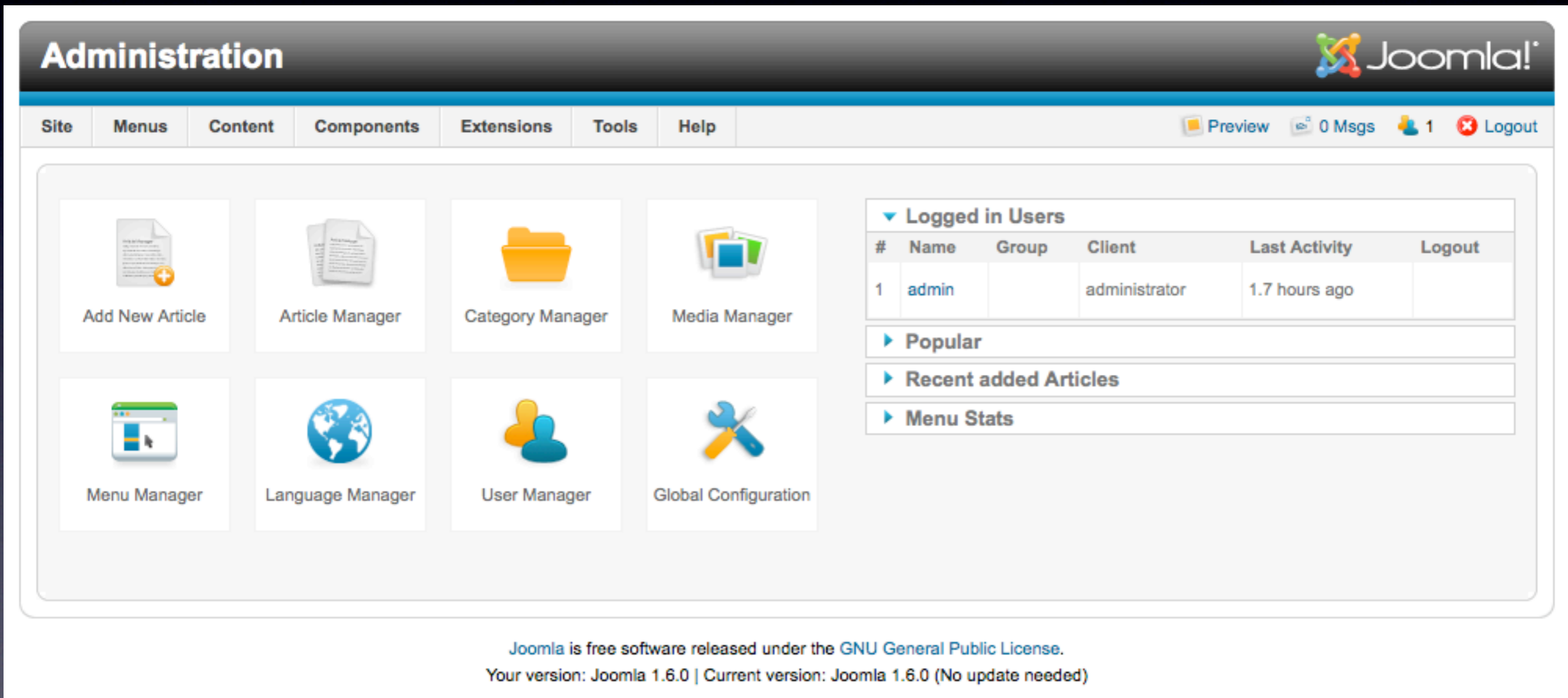
At this time, the impact of upgrading from 1.5 to 1.6 is an unknown quantity.

The background features four stylized human figures in green, brown, blue, and red, interlocking in a circular pattern. The text "The good news ..." is centered over this graphic.

The good news ...

But there is always a bright side.

BlueStork



The screenshot shows the Joomla! Administration interface. At the top, there is a navigation bar with the Joomla! logo and the word "Administration". Below this is a secondary navigation bar with tabs for Site, Menus, Content, Components, Extensions, Tools, and Help. On the right side of this bar, there are links for Preview, 0 Msgs, 1 user, and Logout.

The main content area is divided into two sections. On the left, there are eight large, light-colored buttons arranged in a 2x4 grid, each with an icon and a label: "Add New Article" (document with plus), "Article Manager" (document), "Category Manager" (folder), "Media Manager" (photos), "Menu Manager" (computer screen), "Language Manager" (globe), "User Manager" (people icons), and "Global Configuration" (wrench and screwdriver).

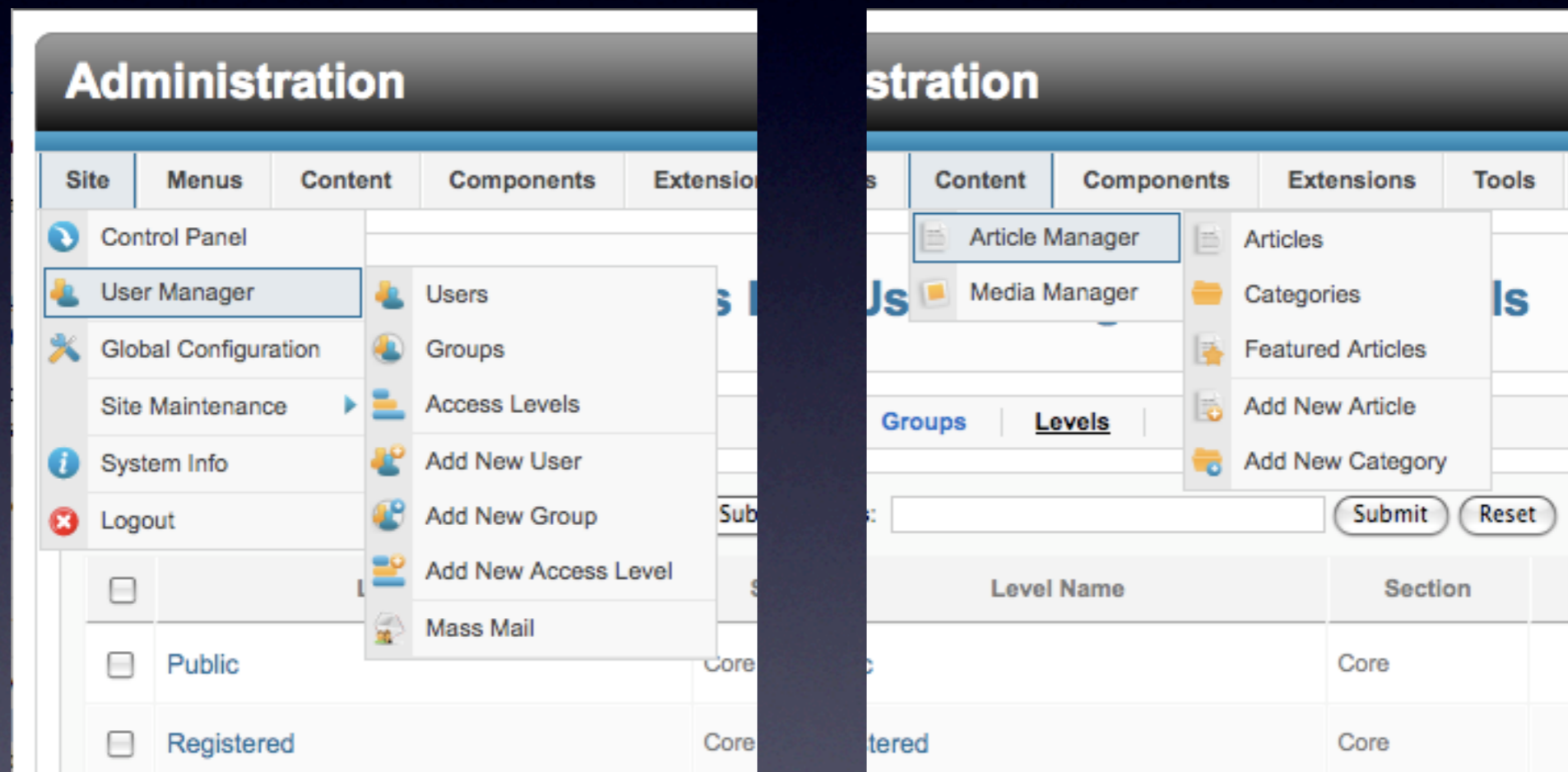
On the right side, there is a "Logged in Users" section with a table. Below it are three expandable sections: "Popular", "Recent added Articles", and "Menu Stats".

#	Name	Group	Client	Last Activity	Logout
1	admin		administrator	1.7 hours ago	

At the bottom of the page, there is a footer with the following text: "Joomla is free software released under the GNU General Public License. Your version: Joomla 1.6.0 | Current version: Joomla 1.6.0 (No update needed)".

Ron Severdia has freshened the administrator template.

Administrator UI



We are experimenting with new menu structures to improve productivity and allow people unfamiliar with Joomla to find key tasks.

Toolbar Features

- Save & New
- Save as Copy



New toolbar buttons are included to improve productivity. Save & New allows you to save a current item and return to a 'new' form without going back to a list, saving a few clicks. Save as Copy allows you to open an existing item and save it as a copy.

Integrated Trash

Administration Joomla!

Site Menus Content Components Extensions Tools Help Preview 0 Msgs 1 Logout

Weblinks Manager: Weblinks

Web Links Categories

JSearch_Filter Search Clear - Select Access - All - Select Category -

#	<input type="checkbox"/>	Title▲	State	Order	Category	Access	Hits	ID
1	<input type="checkbox"/>	Joomla! joomla	✓	1	Uncategorised Weblinks	Public	3	1
2	<input type="checkbox"/>	Joomla! - Forums joomla-forums	🗑	4	Joomla! Specific Links	Public	4	5
3	<input type="checkbox"/>	MySQL mysql	🗑	5	Joomla! Specific Links	Public	1	3
4	<input type="checkbox"/>	Ohloh Tracking of Joomla! ohloh-tracking-of-joomla	✓	6	Joomla! Specific Links	Public	1	6

Trash management is now a default behaviour and integrated in administrator lists. You cannot delete any item. You must first put them in the trash (allowing you to undo). A further safety measure for accidental deletion is that you cannot permanently remove an item from the trash unless you explicitly change the published state filter to show only the trashed items.

Users in Multiple Groups

User Manager: Edit User

Save & New Save Apply Cancel Help

Account Details

User Name
Administrator

Login Name
admin

User Password
[Empty]

User Password2
[Empty]

User Email
[Empty]

User Options

Backend Language Use Default

Frontend Language Use Default

Editor Use Default

Helpsite Use Default

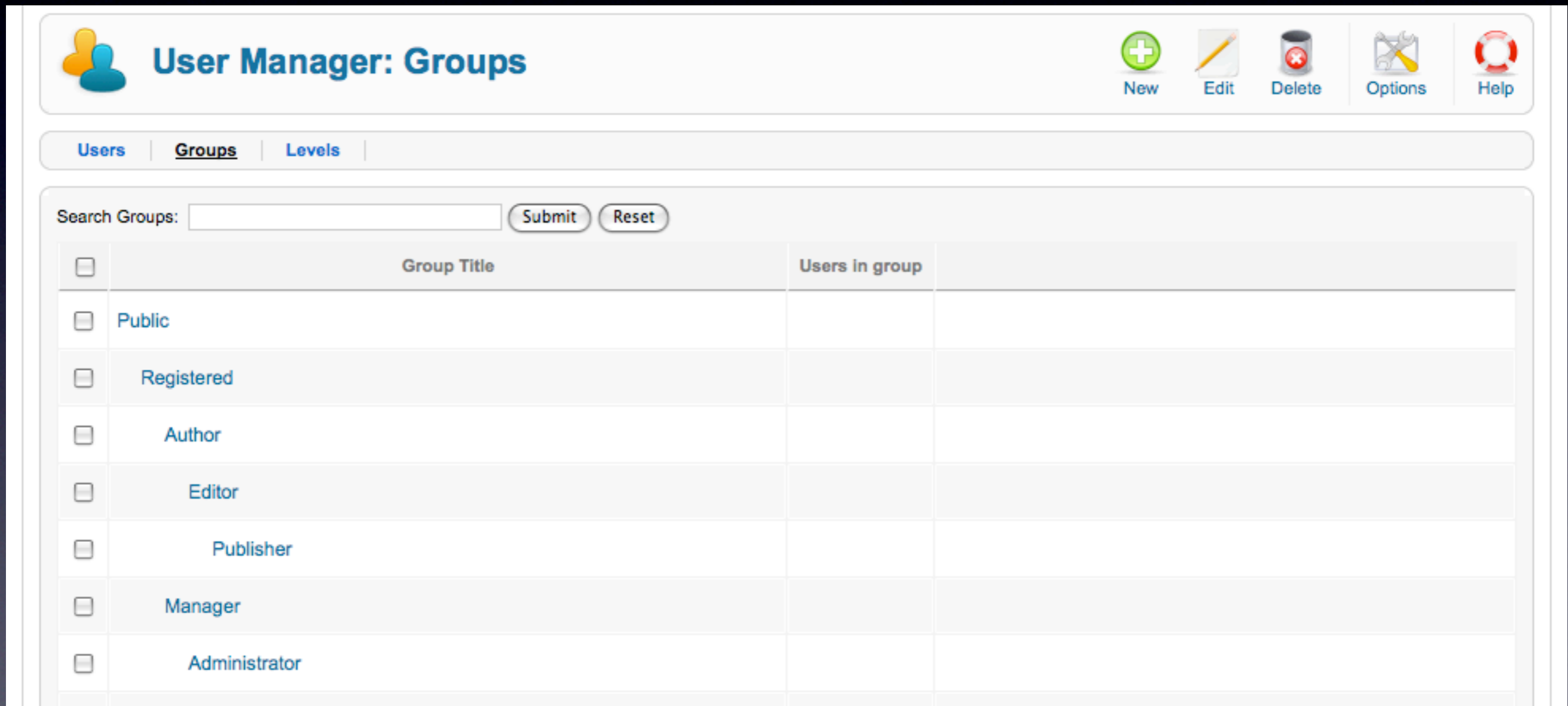
Timezone Use Default

Assigned Groups

- Public
- Registered
- Author
- Editor
- Publisher
- Manager
- Administrator
- Super Administrator
- Park Rangers

Users are now allowed to be placed in more than one user group.

Manage User Groups



The screenshot displays the 'User Manager: Groups' interface. At the top left, there is a logo with three stylized figures in orange, blue, and yellow, followed by the text 'User Manager: Groups'. To the right of the logo are five icons: a green plus sign labeled 'New', a yellow pencil labeled 'Edit', a red trash can labeled 'Delete', a grey wrench and screwdriver labeled 'Options', and a red lifebuoy labeled 'Help'. Below the header is a navigation bar with three tabs: 'Users', 'Groups' (which is selected and underlined), and 'Levels'. Under the 'Groups' tab, there is a search bar labeled 'Search Groups:' with a text input field, a 'Submit' button, and a 'Reset' button. Below the search bar is a table with three columns: 'Group Title', 'Users in group', and an empty column. The table contains eight rows, each representing a user group with a checkbox in the first column and the group name in the second column. The groups listed are Public, Registered, Author, Editor, Publisher, Manager, and Administrator.

<input type="checkbox"/>	Group Title	Users in group	
<input type="checkbox"/>	Public		
<input type="checkbox"/>	Registered		
<input type="checkbox"/>	Author		
<input type="checkbox"/>	Editor		
<input type="checkbox"/>	Publisher		
<input type="checkbox"/>	Manager		
<input type="checkbox"/>	Administrator		

Groups can now be added or modified.

Assign Base Actions to Groups

User Manager: Edit Group

Save & New Save Apply Cancel Help

User Group Details

Group Parent
Public

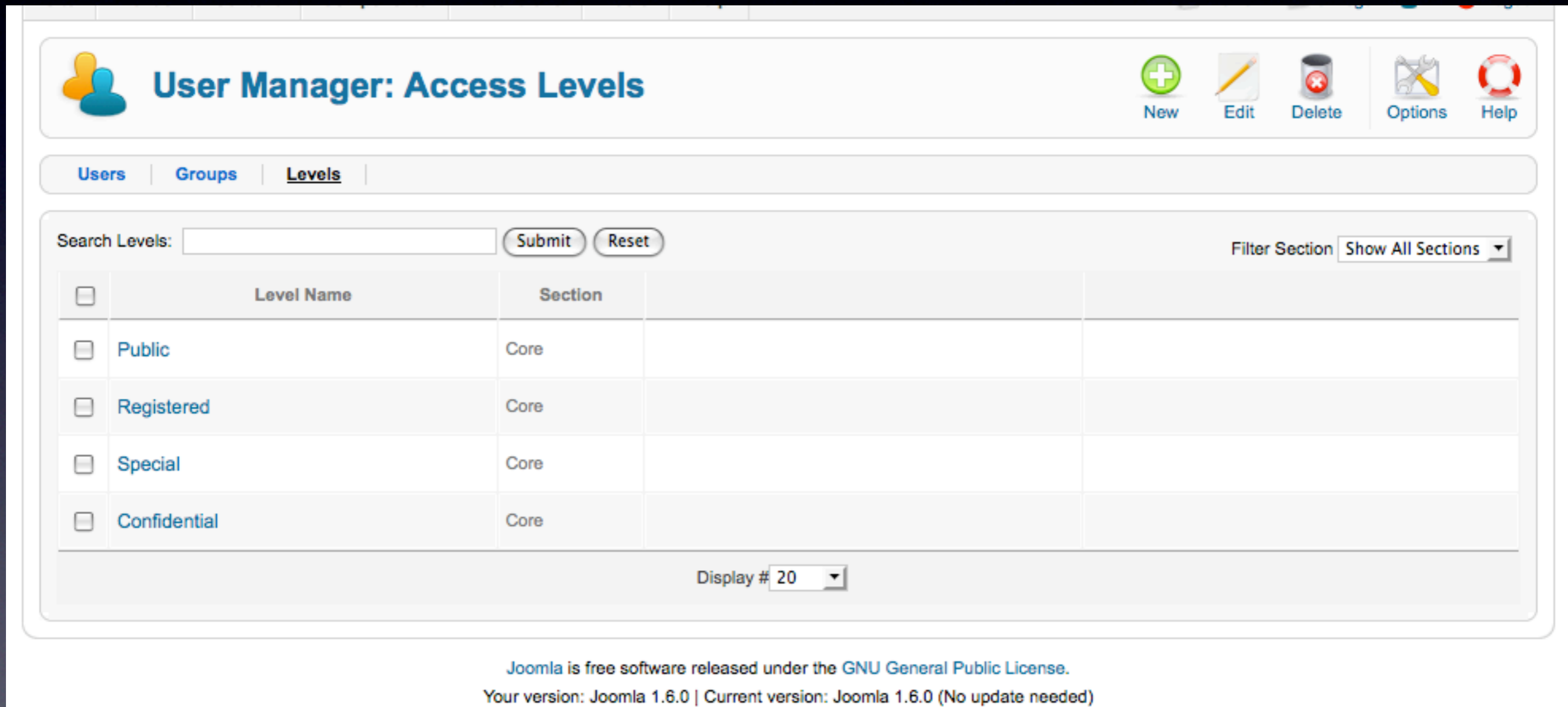
Group Title
Registered

Actions Permitted

- JAction_Root
- Administrator Login
- Site Login
- Manage Cache
- JAction_Categories_Manage
- Manage Checkin
- Manage Config
- Manage Installer
- Manage Languages
- JAction_Massmail_Manage

User groups can have a certain level of permissions assigned to them (we call them Type 1 rules).

Manage Access Levels



The screenshot shows the Joomla! User Manager interface for managing access levels. At the top, there is a header with the Joomla! logo and the title "User Manager: Access Levels". To the right of the header are five icons: "New" (a green plus sign), "Edit" (a yellow pencil), "Delete" (a red trash can), "Options" (a grey wrench and screwdriver), and "Help" (a red lifebuoy). Below the header is a navigation bar with three tabs: "Users", "Groups", and "Levels", with "Levels" being the active tab. The main content area features a search bar labeled "Search Levels:" with a "Submit" button and a "Reset" button. To the right of the search bar is a "Filter Section" dropdown menu set to "Show All Sections". Below the search bar is a table with the following columns: a checkbox, "Level Name", and "Section". The table contains five rows of data:

<input type="checkbox"/>	Level Name	Section
<input type="checkbox"/>	Public	Core
<input type="checkbox"/>	Registered	Core
<input type="checkbox"/>	Special	Core
<input type="checkbox"/>	Confidential	Core

At the bottom of the table area, there is a "Display #" dropdown menu set to "20". Below the table area, there is a footer with the text: "Joomla is free software released under the GNU General Public License. Your version: Joomla 1.6.0 | Current version: Joomla 1.6.0 (No update needed)".

Access levels can now be added or modified.

Control View Permissions

The screenshot displays a web interface for editing access levels. At the top left, there is a user icon and the title 'User Manager: Edit Level'. On the top right, there are five action buttons: 'Save & New' (green plus), 'Save' (floppy disk), 'Apply' (green checkmark), 'Cancel' (red X), and 'Help' (red lifebuoy). The main content area is divided into two sections: 'Level Details' and 'User Groups Having Access'. In 'Level Details', the 'Level Title' field contains the text 'Confidential'. In 'User Groups Having Access', there is a list of user groups with checkboxes. The 'Park Rangers' group is checked, while all other groups are unchecked.

Section	Field/Item	Value/Status
Level Details	Level Title	Confidential
	Level ID	
User Groups Having Access	Public	<input type="checkbox"/>
	- Registered	<input type="checkbox"/>
	-- Author	<input type="checkbox"/>
	--- Editor	<input type="checkbox"/>
	---- Publisher	<input type="checkbox"/>
	-- Manager	<input type="checkbox"/>
	--- Administrator	<input type="checkbox"/>
	---- Super Administrator	<input type="checkbox"/>
	-- Park Rangers	<input checked="" type="checkbox"/>

An access level can be mapped to a user group. This allows those users in that group to 'view' content items assigned to that access level. In the example above, users in the 'Park Rangers' group can see 'Confidential' content.

ACL Terminology

- Type 1 Rules (group permissions)
What can I do?
- Type 2 Rules
What can I do to a particular thing?
- Type 3 Rules (access levels)
What can I see?



Type 1 rules map to the user groups. Type 3 rules allow users in groups to view items in a particular access level. Type 2 rules, for example, will allow you to only create or edit articles in particular categories.

Tabbed Component Options (Parameters)

The screenshot shows the 'Articles Manager Configuration' interface. At the top, there are 'Save' and 'Cancel' buttons. Below the title bar, there are four tabs: 'Articles', 'Categories & Featured', 'Integration', and 'Text Filters'. The 'Articles' tab is active, displaying a list of configuration options with radio buttons for selection. A yellow callout box on the right states: 'These settings apply for articles when they are displayed on the web site unless they are changed by the individual article or menu settings.'

Option	Selected	Other
Show Unauthorised Links	No	Yes
Show Category	Hide	Show
Link Category	No	Yes
Show Title	No	Yes
Linked Titles	No	Yes
Show Intro	Hide	Show
Show Author	Hide	Show
Show Create Date	Hide	Show
Show Modify Date	Hide	Show
Show Navigation	Hide	Show
Show 'Read More'	Hide	Show
Show Icons	Hide	Show

Third-party developers can now add multiple (limited only by the screen real-estate) tabs to the component configuration screen.

Nested Categories



The screenshot displays the Joomla! Category Manager interface for 'Articles Categories'. The interface includes a toolbar with icons for Archive, Publish, Unpublish, Trash, Edit, New, and Rebuild. Below the toolbar are tabs for 'Articles', 'Categories', and 'Featured'. A search filter is present with 'Search' and 'Clear' buttons, and dropdown menus for 'Select Access' and 'Select State'. The main content area shows a table of categories with columns for Title, Published, Ordering, Access, and ID.

<input type="checkbox"/>	Title	Published	Ordering	Access	ID▲
<input type="checkbox"/>	News (news)	✓	▼	Public	11
<input type="checkbox"/>	Countries (countries)	✓	▲ ▼	Public	12
<input type="checkbox"/>	Australia (australia)	✓	▲ ▼	Public	23
<input type="checkbox"/>	Queensland (queensland)	✓	▲ ▼	Public	24
<input type="checkbox"/>	Tasmania (tasmania)	✓	▲	Public	25

Display # 20 ▼

Joomla is free software released under the GNU General Public License.

Nested categories are now supported for each core extension (articles, banners, newsfeeds, contacts, weblinks).

Category Options & Metadata

Category Manager: Edit Category

Save As Copy Save & New Save Apply Cancel

Details

Extension
com_content

Parent
- Countries

Title
Australia

Alias
australia

Published State
 Unpublished Published Trash

Access
Public

Options

Alternate Layout
- Use Menu or Request Setting -

Metadata

Meta Description

Meta Keywords

Alternative Page Title

Robots

Author

Description

B *I* U ABC [List Icons] Styles Paragraph

Categories now have options supported (the old parameters) as well a conventional metadata.

Menu Manager Improvements

Administration Joomla!

Site Menus Content Components Extensions Tools Help Preview 0 Msgs 1 Logout

Menu Manager: Menus New Edit Delete Rebuild Help

Menu Items Menus

<input type="checkbox"/>	Title	Number of Menu Items			Modules Linked to the Menu	ID▲
		# Published	# UnPublished	# Trashed		
<input type="checkbox"/>	Main Menu (mainmenu)	(4)	(0)	(0)		1
<input type="checkbox"/>	User Menu (usermenu)	(4)	(0)	(0)		2

Display # 20 ▼

Joomla is free software released under the [GNU General Public License](#).
Your version: Joomla 1.6.0 | Current version: Joomla 1.6.0 (No update needed)

Menu management is being more closely linked to modules. In the appropriate places, the integrated with modules will be shown. 'Rebuild' allows you to fully rebuild the menu tree in the event it gets 'out of whack'.

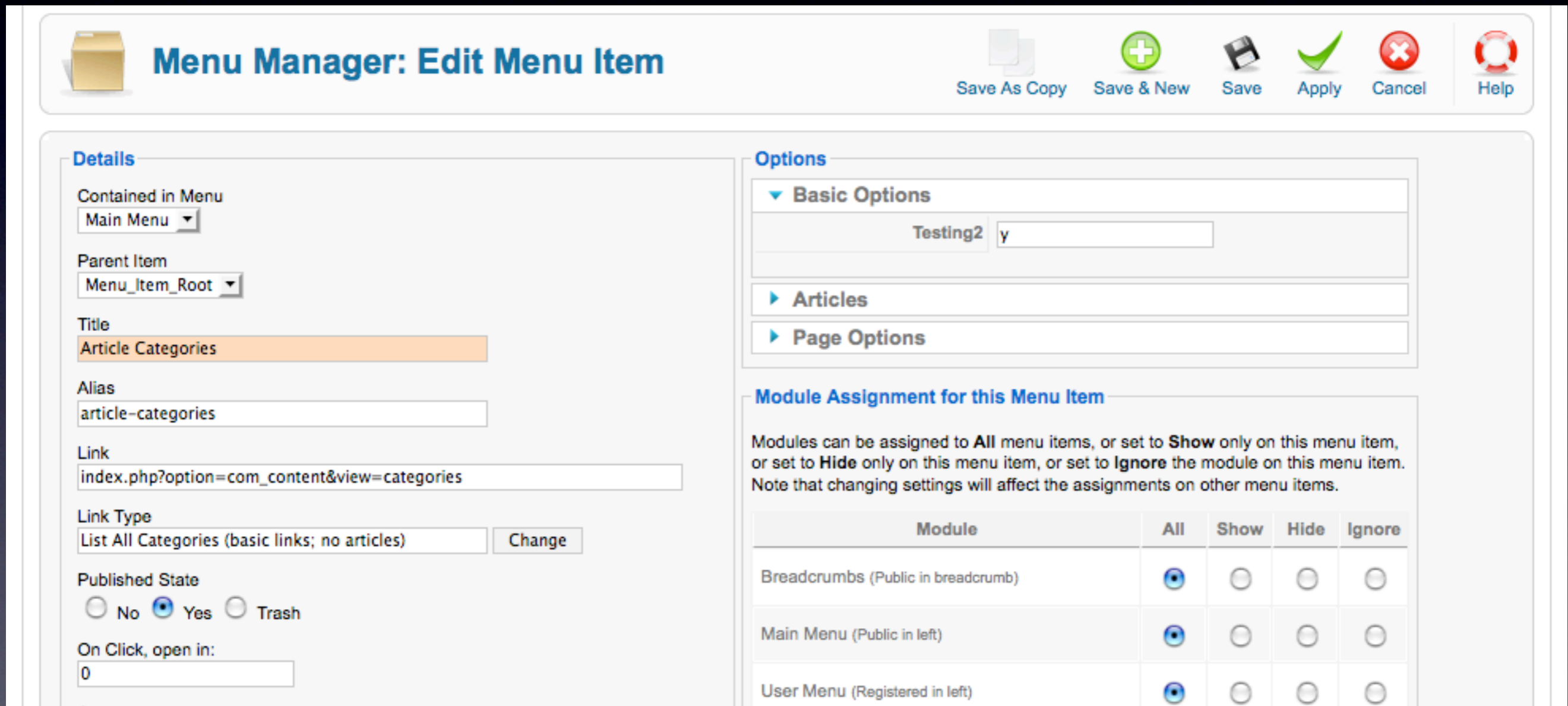
New Menu Item Filters and Batch Changes

The screenshot shows the 'Menu Manager: Items' interface. At the top, there are navigation tabs for 'Menu Items' and 'Menus'. Below the tabs is a search bar with 'Filter:' and buttons for 'Search' and 'Clear'. To the right of the search bar are four dropdown menus: '- Select Access -', '- Select State -', 'Main Menu', and '- Level -'. Below these are icons for 'Publish', 'Unpublish', 'Trash', 'New', 'Edit', and 'Help'. The main content is a table with columns: 'Title', 'Published', 'Ordering', 'Access', and 'ID'. The table lists five items: 'Home', 'Article Categories', 'Administrator', and 'Weblinks'. Below the table is a 'Display # 20' dropdown. At the bottom, there is a 'Batch process the selected items' section with a 'Set Access Level' dropdown and a 'Process' button.

<input type="checkbox"/>	Title	Published	Ordering	Access	ID
<input type="checkbox"/>	★ Home (home)	✓	▼ 0	Public	2
<input type="checkbox"/>	Article Categories (article-categories)	✓	▲ ▼ 0	Public	9
<input type="checkbox"/>	Administrator (administrator)	✓	▲ ▼ 2	Public	3
<input type="checkbox"/>	Weblinks (weblinks)	✓	▲ 6	Public	8

More filters are available in the menu item list view. Batch operations will allow you to update the properties (access level) selected items. You will also be able to move trees and sub-trees to specific locations in the current or other menus (not just the top).

Wet Concrete



Menu Manager: Edit Menu Item

Save As Copy Save & New Save Apply Cancel Help

Details

Contained in Menu
Main Menu

Parent Item
Menu_Item_Root

Title
Article Categories

Alias
article-categories

Link
index.php?option=com_content&view=categories

Link Type
List All Categories (basic links; no articles) Change

Published State
 No Yes Trash

On Click, open in:
0

Options

Basic Options
Testing2 y

Articles

Page Options

Module Assignment for this Menu Item

Modules can be assigned to **All** menu items, or set to **Show** only on this menu item, or set to **Hide** only on this menu item, or set to **Ignore** the module on this menu item. Note that changing settings will affect the assignments on other menu items.

Module	All	Show	Hide	Ignore
Breadcrumbs (Public in breadcrumb)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Main Menu (Public in left)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
User Menu (Registered in left)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

You will now change the type of link in the menu item edit form. There may also be some indication of what modules are mapped to this item (still experimental and subject to change). Third-party developer have the opportunity of adding more panes to the slider if they desire.

More Wet Concrete

Details

Contained in Menu
Main Menu ▾

Parent Item
Menu_Item_Root ▾

Title
Article Categories

Alias
article-categories

Link
index.php?option=com_content&view=categories

Link Type
List All Categories (basic links; no articles) Change

Published State
 No Yes Trash

On Click, open in:
0

Access
Public ▾

Set as Default Page
 No Yes

Options

▶ Basic Options

▶ Articles

▼ Page Options

Anchor Title	Link title
Anchor CSS	hot-pink
Page Title	The page title
Show Page Title	<input type="radio"/> No <input checked="" type="radio"/> Yes
Page Class	
Menu Image	
Secure	<input type="radio"/> Off <input checked="" type="radio"/> Ignore <input type="radio"/> On
Meta Description	
Meta Keywords	

Some more experimentation.

Changing Link Type

The screenshot shows the Joomla! Menu Manager interface. On the left, the 'Details' panel for a menu item is visible, with the 'Title' field containing 'Article Categories'. The 'Link Type' is currently set to 'List All Categories (basic links; no articles)'. A dropdown menu is open, listing various link types categorized into System Links, Articles, Contacts, News Feeds, Search, Web Links, and Wrapper. The background shows the 'Apply', 'Cancel', and 'Help' buttons.

System Links

- External URL
- Alias or shortcut or another menu link.
- Text Separator

Articles

- Archived Articles
- Single Article
- List All Categories (basic links; no articles)
- List Articles in a Category (multi-column; introductions)
- Single Category (optional sub-categories and articles)
- List Featured Articles (multi-column; introductions)
- Submit or Edit an Article

Contacts

- List Contacts in a Category
- Single Contact

News Feeds

- List Newsfeeds in a Category
- Single Newsfeed

Search

- List search results

Web Links

- List Weblinks in a Category
- Submit or edit a Weblink

Wrapper

- Display a site in an iFrame

Clicking the 'Change' button in the menu item bring up all the options available to you (less clicks).

Extensions

The screenshot shows the Joomla! Administration interface. At the top, there is a dark grey header with the word "Administration" on the left and the Joomla! logo on the right. Below this is a blue navigation bar with tabs for "Site", "Menus", "Content", "Components", "Extensions", "Tools", and "Help". On the right side of this bar, there are icons for "Preview", "0 Msgs", "1" user, and "Logout".

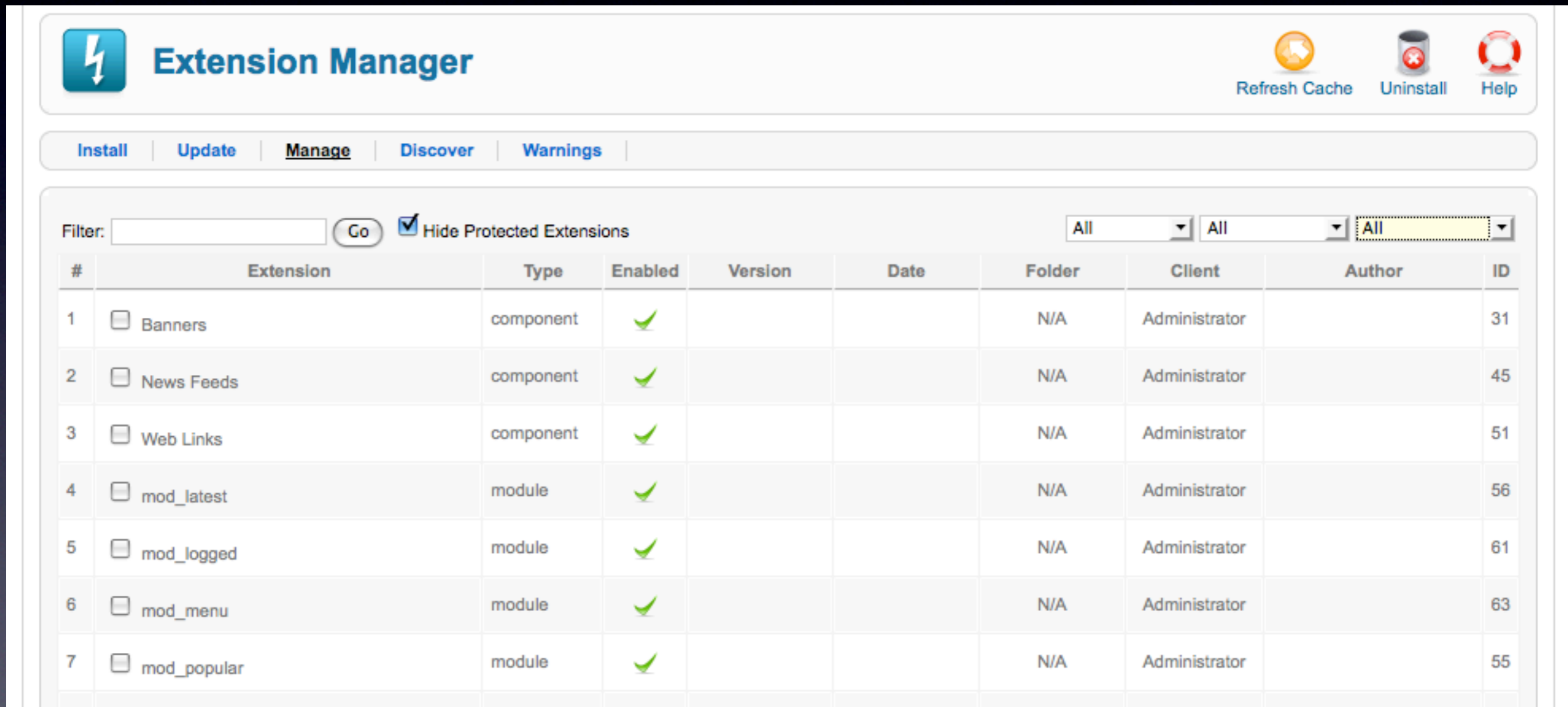
The main content area is titled "Extension Manager" with a lightning bolt icon on the left and a "Help" icon on the right. Below the title is a horizontal menu with tabs for "Install", "Update", "Manage", "Discover", and "Warnings".

The "Install" tab is active, showing three installation methods:

- Upload Package File:** A text input field for "Package File:" followed by a "Browse..." button and an "Upload File & Install" button.
- Install from Directory:** A text input field for "Install Directory:" containing the path "/Users/eddieajau/htdocs/joomla/trunk/tmp" followed by an "Install" button.
- Install from URL:** A text input field for "Install URL:" containing "http://" followed by an "Install" button.

The extension manager has been revised.

Unified Manager

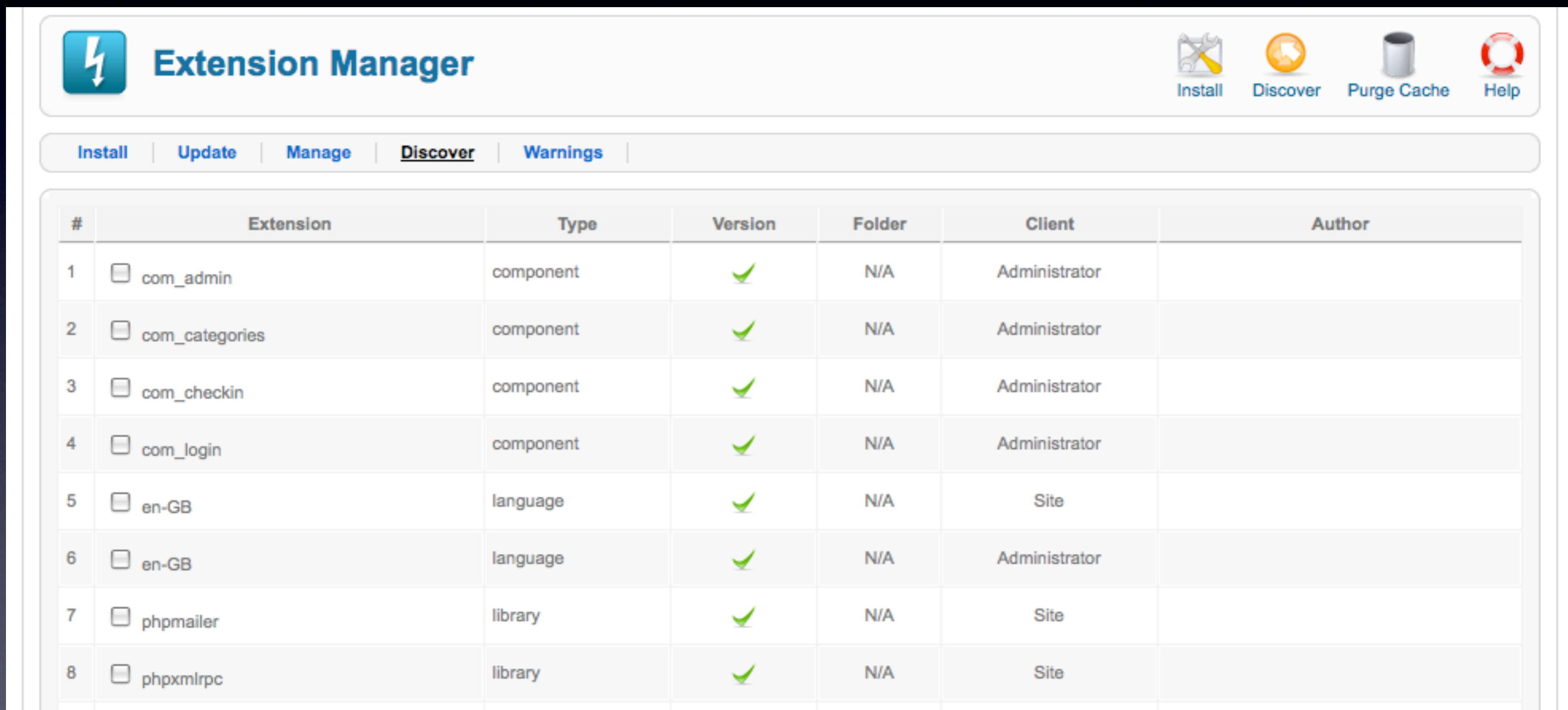


The screenshot displays the Joomla! Extension Manager interface. At the top left is the "Extension Manager" logo. On the top right are icons for "Refresh Cache", "Uninstall", and "Help". Below the logo is a navigation bar with tabs for "Install", "Update", "Manage", "Discover", and "Warnings". The main area features a filter input field, a "Go" button, and a checked checkbox for "Hide Protected Extensions". To the right of the filter are three dropdown menus, all set to "All". Below this is a table listing installed extensions.

#	Extension	Type	Enabled	Version	Date	Folder	Client	Author	ID
1	<input type="checkbox"/> Banners	component	✔			N/A	Administrator		31
2	<input type="checkbox"/> News Feeds	component	✔			N/A	Administrator		45
3	<input type="checkbox"/> Web Links	component	✔			N/A	Administrator		51
4	<input type="checkbox"/> mod_latest	module	✔			N/A	Administrator		56
5	<input type="checkbox"/> mod_logged	module	✔			N/A	Administrator		61
6	<input type="checkbox"/> mod_menu	module	✔			N/A	Administrator		63
7	<input type="checkbox"/> mod_popular	module	✔			N/A	Administrator		55

Management of extensions is now unified in the one list.

Discover Uploaded Extensions

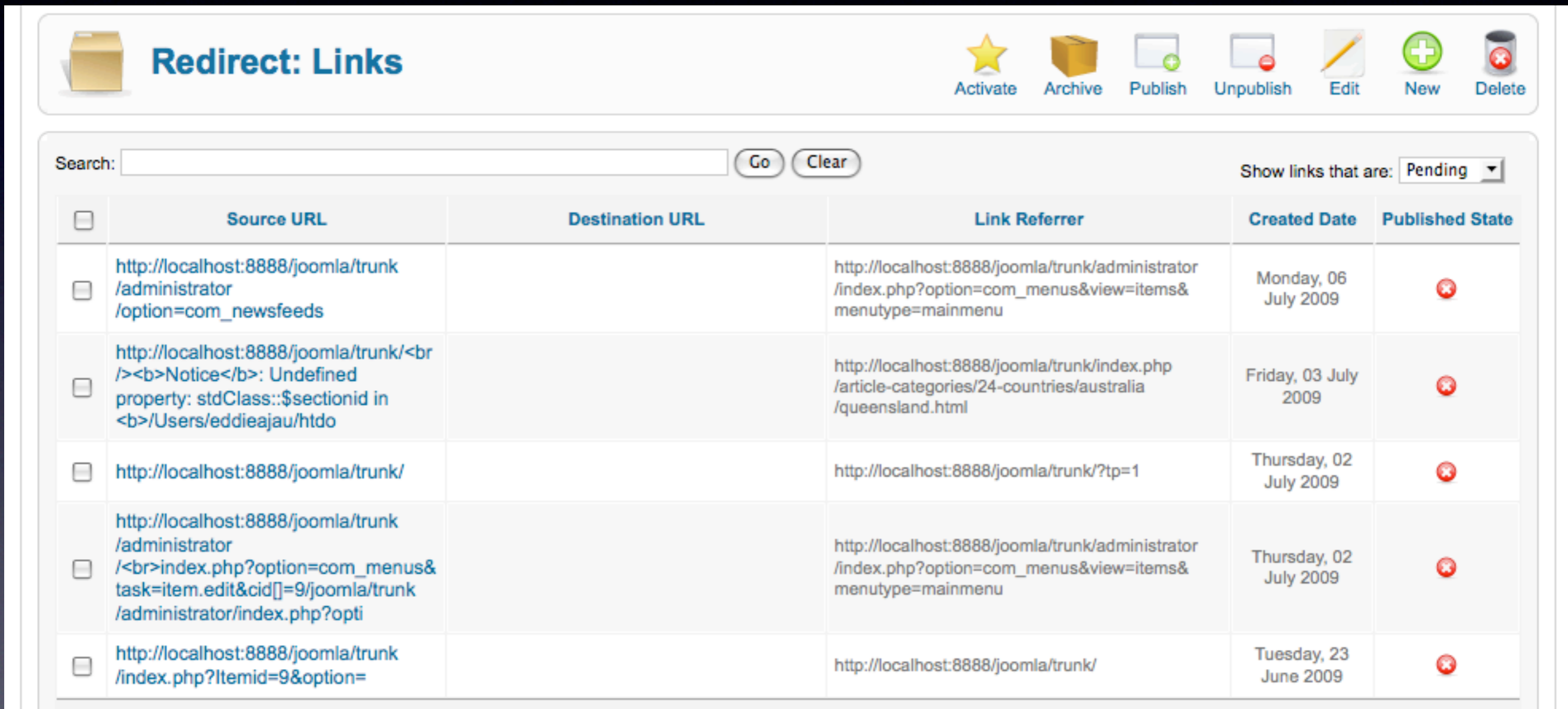


The screenshot shows the Joomla! Extension Manager interface. At the top, there is a header with the Joomla! logo and the text "Extension Manager". To the right of the header are four icons: "Install" (wrench and screwdriver), "Discover" (orange circle with a white arrow), "Purge Cache" (trash can), and "Help" (red lifebuoy). Below the header is a navigation bar with tabs: "Install", "Update", "Manage", "Discover" (which is underlined), and "Warnings". The main content area is a table with the following columns: "#", "Extension", "Type", "Version", "Folder", "Client", and "Author". The table contains 8 rows of data, all with a green checkmark in the "Version" column, indicating they have been discovered.

#	Extension	Type	Version	Folder	Client	Author
1	<input type="checkbox"/> com_admin	component	✓	N/A	Administrator	
2	<input type="checkbox"/> com_categories	component	✓	N/A	Administrator	
3	<input type="checkbox"/> com_checkin	component	✓	N/A	Administrator	
4	<input type="checkbox"/> com_login	component	✓	N/A	Administrator	
5	<input type="checkbox"/> en-GB	language	✓	N/A	Site	
6	<input type="checkbox"/> en-GB	language	✓	N/A	Administrator	
7	<input type="checkbox"/> phpmailer	library	✓	N/A	Site	
8	<input type="checkbox"/> phpxmlrpc	library	✓	N/A	Site	

You can discover extensions that have not gone through the normal installation process. This provides a solution for large-payload extensions. They can be uploaded to the site and then 'discovered'.

Redirect



Redirect: Links

Search: Show links that are: Pending

<input type="checkbox"/>	Source URL	Destination URL	Link Referrer	Created Date	Published State
<input type="checkbox"/>	http://localhost:8888/joomla/trunk/administrator?option=com_newsfeeds		http://localhost:8888/joomla/trunk/administrator/index.php?option=com_menus&view=items&menutype=mainmenu	Monday, 06 July 2009	<input type="checkbox"/>
<input type="checkbox"/>	<a href="http://localhost:8888/joomla/trunk/
Notice: Undefined property: stdClass::\$sectionid in /Users/eddieajau/htdo">http://localhost:8888/joomla/trunk/
Notice: Undefined property: stdClass::\$sectionid in /Users/eddieajau/htdo		http://localhost:8888/joomla/trunk/index.php/article-categories/24-countries/australia/queensland.html	Friday, 03 July 2009	<input type="checkbox"/>
<input type="checkbox"/>	http://localhost:8888/joomla/trunk/		http://localhost:8888/joomla/trunk/?tp=1	Thursday, 02 July 2009	<input type="checkbox"/>
<input type="checkbox"/>	http://localhost:8888/joomla/trunk/administrator/index.php?option=com_menus&task=item.edit&cid[]=9/joomla/trunk/administrator/index.php?opti		http://localhost:8888/joomla/trunk/administrator/index.php?option=com_menus&view=items&menutype=mainmenu	Thursday, 02 July 2009	<input type="checkbox"/>
<input type="checkbox"/>	http://localhost:8888/joomla/trunk/index.php?Itemid=9&option=		http://localhost:8888/joomla/trunk/	Tuesday, 23 June 2009	<input type="checkbox"/>

Redirect is a new component and plugin that detects 404 Page not found errors. It collects these automatically and you can optionally assign permanent redirects.

Other bits & pieces

- Focus on accessibility front and back end
- Plugins can modify all edit forms with JForm
 - User profiles
 - Custom metadata solutions
- `tp=1` can be turned off



The new JForm API allows for plugins to be developed to affect the display or saving of form data. For example, this can allow for extended user profiles, the addition of custom metadata schemes and so on.

Other bits & pieces

- Layout overrides for all administrator components and modules
- CodeMirror editor
- TinyMCE upgraded



Layout overrides in the administrator allow you to provide custom solutions for customers where you might like to 'dumb down' the interface, or even change the terminology to in-house jargon.

Still to Come

- Fix all the broken stuff
- Fix Type 2 access control rules
- Make front-end layouts clean and semantic
- Add new comments and ratings extension
- Fix plugins that hardcode output (TOC)



Get Involved

- <http://groups.google.com/group/joomla-dev-cms>
- Feature patches



Beta and beyond?

- Targeting Beta 1 on or about 3 August 2009
- Feature set is frozen
- As many Beta's as it takes to stabilise the stack (but hopefully only 3 or 4)





Thankyou

Thanks to Roarz Computing, Zac-Ware, Jumar Solutions Australia, PB Web Development and the Sydney and Melbourne Joomla Users Groups for supporting New Life in IT (<http://www.newlifeinit.com>) to develop parts of what you have just seen.