

Joomla! / Mambo Community Builder

Version 1.0

Integration with Private Messaging
Components



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The Community Builder project is an Open Source project supported by the following CB Core Team members:

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- The official home of the Community Builder project is located at www.joomlapolis.com
- The project area on Joomla! forge is <http://forge.joomla.org/sf/projects/cb>

Document Distribution

The CB Team has decided to offer this documentation on a subscription basis. The reason is to gather some expense money to be used against hosting costs, development tools, libraries, etc.

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1 Introduction

This document describes the actions needed to integrate the Community Builder suite with (selected) Private Messaging System (PMS) components written for Joomla!. Please note that this document is for information only, and that PMS systems are not part of Community Builder, and not directly supported by Community Builder team. Please refer to their authors and corresponding forums for any matters regarding these PMS systems. This document is not intended as a comparison between PMS systems, and may not be accurate at any time.

1.1 Assumptions

This document illustrates integration based on the following systems:

- Community Builder 1.0.2 (<http://www.joomlapolis.com> or <http://forge.joomla.org/sf/projects/cb>)
- UddeIM 0.5 beta (<http://forge.joomla.org/sf/projects/uddeim>)
- JIM 1.0.1 (<http://www.joomlation.eu> or <http://forge.joomla.org/sf/projects/jim>)
- Clexus 2.7 Private Messaging (<http://www.clexus.com>)
- PMS Enhanced 2.0.3 (<http://www.stefan-klingsner.de>)
- Missus 1.1 (<http://ewriting.com.ar>)

Of course new PMS components may appear at any time. Hopefully, these components will provide their own CB PMS plugins to integrate with Community Builder. The CB Team will support quick access to messages in the CB Login module for these new PMS components with subsequent CB Login module releases.

1.2 Acknowledgements, Credits and Copyrights

This document must acknowledge the efforts of the CB development team and the Joomla!polis (and Joomla!) community.

The component and modules of the CB suite are released under GPL with the following clause:

All copyright statements must be kept. Derivate work must prominently duly acknowledge original work and include visible online links.

This document is not released under GPL and no reproduction or distribution may take place without the author's permission.

The PMS systems mentioned in this document are not developed by the Community Builder team, but by their respective authors, to whom full credit is given hereby.

1.3 Compatibility Matrix

Version 1.0.2 of Community Builder is compatible with the Private Messaging Components based on the following matrix:

PMS Component	CB Core Plugin Support	CB Login Module Support	3P Plugin Available/Needed
MyPMS OS ⁽¹⁾	y	y	-
MyPMS Pro ⁽²⁾	y	y	-
UDDEIM 0.5 beta	y	y	available/ not needed
JIM 1.0.1	y	y	available/ not needed
CLEXUS 2.7	-	y	available/ needed
PMS Enhanced 2.0.3	y	y	available/ not needed
Missus 1.1	-	y	available/ needed

Figure 1: PMS Compatibility Table

- (1) The MyPMS OS version is the first open source PMS component released for Mambo. It is probably obsolete now and its kept in the CB Core plugin support mainly for historical reasons (and might not be supported in future CB versions).
- (2) The MyPMS Pro version is the first professional (commercial) extension of the MyPMS OS version and it's a predecessor of the CLEXUS component. It is probably obsolete now and its kept in the CB Core plugin

support mainly for historical reasons (and probably will be deleted in future CB versions).

1.4 Current Document Version Note

This document is always under development. Please visit www.joomlapolis.com to post your suggestions so we can improve this document. Thank you for your understanding.

2 Verifying PMS Component Installation

Most PMS Components come with instructions to link a menu item to the actual component so users can get to their PMS mailboxes. Also, most PMS systems have an extra module that is used to show current logged in user if there are pending - unread messages in his/her PMS mailbox.

Proper PMS system installation should be verified by using this Menu link and extra module to access the system and actually send and receive messages. **This means that even if the CB Login module is used to access the PMS component a menu item to the PMS component should be created (and published to an unused menu in an unused position if not needed).**

3 Configuring CB Support for PMS System

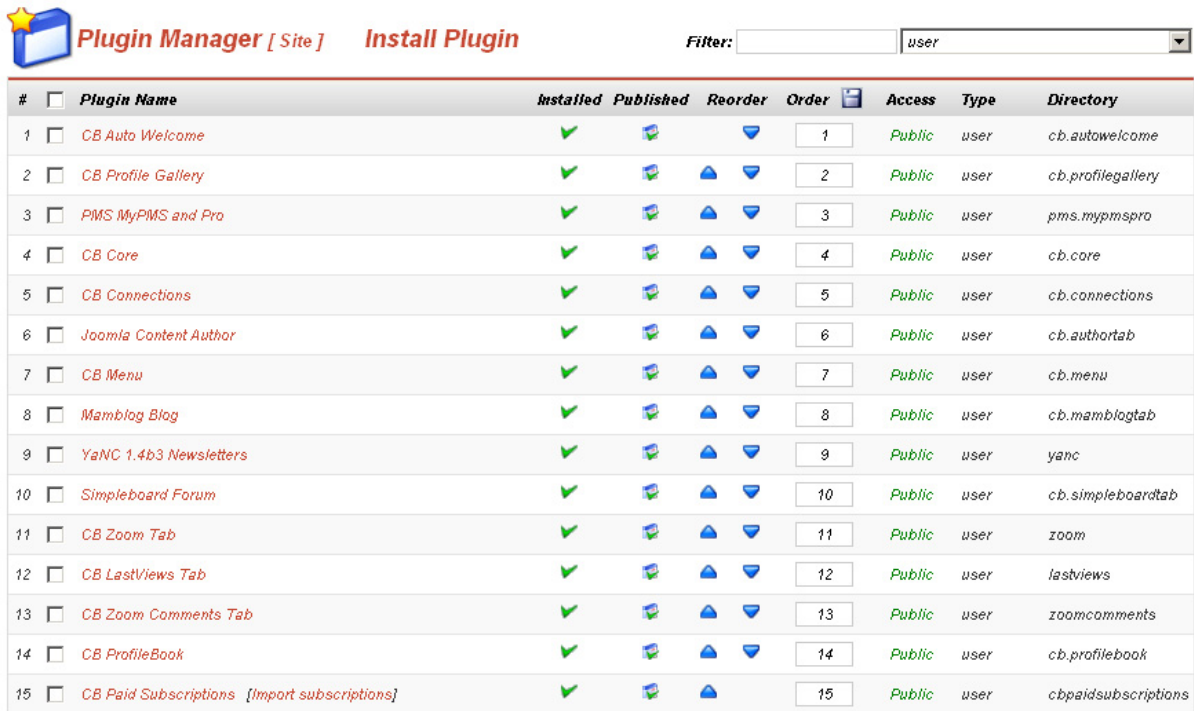
CB 1.0.2 includes core plugin support and CB Login module support (for quick access to messages) for a variety of PMS systems (as outlined [section 1.1](#)).

To configure CB to integrate with your PMS component you need to follow these steps:

3.1 Publish and Parameterize Core CB PMS MyPMS and Pro Plugin

Verify that your PMS component is supported by the core CB plugin and the CB login module (check [Figure 1](#)). If your PMS component is not supported by the core CB PMS MyPMS and Pro plugin then a supported plugin must be downloaded from the third party development site and installed-published as a CB plugin. At the same time remember to unpublish the core CB PMS MyPMS and Pro plugin.

Locate the PMS MyPMS and Pro in your CB Plugin management area. In [Figure 2](#): CB Plugin Manager [Figure 2](#) this plugin is located in line 3.




Plugin Manager [Site] Install Plugin Filter: user

#	<input type="checkbox"/> Plugin Name	Installed	Published	Reorder	Order	Access	Type	Directory
1	<input type="checkbox"/> CB Auto Welcome	✓		▼	1	Public	user	cb.autowelcome
2	<input type="checkbox"/> CB Profile Gallery	✓		▼	2	Public	user	cb.profilegallery
3	<input type="checkbox"/> PMS MyPMS and Pro	✓		▼	3	Public	user	pms.mypmspro
4	<input type="checkbox"/> CB Core	✓		▼	4	Public	user	cb.core
5	<input type="checkbox"/> CB Connections	✓		▼	5	Public	user	cb.connections
6	<input type="checkbox"/> Joomla Content Author	✓		▼	6	Public	user	cb.authortab
7	<input type="checkbox"/> CB Menu	✓		▼	7	Public	user	cb.menu
8	<input type="checkbox"/> Mamblog Blog	✓		▼	8	Public	user	cb.mamblogtab
9	<input type="checkbox"/> YaNC 1.4b3 Newsletters	✓		▼	9	Public	user	yanc
10	<input type="checkbox"/> Simpleboard Forum	✓		▼	10	Public	user	cb.simpleboardtab
11	<input type="checkbox"/> CB Zoom Tab	✓		▼	11	Public	user	zoom
12	<input type="checkbox"/> CB LastViews Tab	✓		▼	12	Public	user	lastviews
13	<input type="checkbox"/> CB Zoom Comments Tab	✓		▼	13	Public	user	zoomcomments
14	<input type="checkbox"/> CB ProfileBook	✓		▼	14	Public	user	cb.profilebook
15	<input type="checkbox"/> CB Paid Subscriptions [Import subscriptions]	✓		▼	15	Public	user	cbpaidsubscriptions

Figure 2: CB Plugin Manager

If your PMS component is supported by the Core CB plugin you need to publish the core plugin and configure its first parameter to your PMS component. See **Figure 3** to see what the core PMS plugin parameters look like.

 **Site Plugin: Edit [PMS MyPMS and Pro]**














Plugin Details	Parameters
Name: <input type="text" value="PMS MyPMS and Pro"/>	PMS Component type: <input type="text" value="uddeIM 0.5"/> 
Folder: <input type="text" value="user"/>	<input type="text" value="MyPMS Open Source"/> 
Plugin file: <input type="text" value="pms.mypmspro"/> .php	PMS Send Menu/Link text: <input type="text" value=""/> 
Plugin Order: <input type="text" value="3 (PMS MyPMS and Pro)"/>	PMS Send Menu/Link Description: <input type="text" value=""/> 
Access Level: <input type="text" value="Public"/>	
Published: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Description: <i>Provides the myPMS, PMS Pro and uddeIM 0.4/0.5 integration for Community Builder.</i>	
	Following parameters: only for PMS Pro/uddeIM
	PMS Inbox Menu/Link text: <input type="text" value="_UE_PM_INBOX"/> 
	PMS Menu/Link Description: <input type="text" value="_UE_MENU_PM_INBOX_DE"/> 
	Following parameters: only for PMS Pro/uddeIM
	PMS Outbox Menu/Link text: <input type="text" value="_UE_PM_OUTBOX"/> 
	PMS Outbox Menu/Link Description: <input type="text" value="_UE_MENU_PM_OUTBOX_"/> 
	Following parameters: only for PMS Pro/uddeIM 0.5
	PMS Trash Menu/Link text: <input type="text" value="_UE_PM_TRASHBOX"/> 
	PMS Trash Menu/Link Description: <input type="text" value="_UE_MENU_PM_TRASHBO"/> 
	Following parameters: only for PMS Pro/uddeIM 0.5
	PMS Options Menu/Link text: <input type="text" value="_UE_PM_OPTIONS"/> 
	PMS Options Menu/Link Description: <input type="text" value="_UE_MENU_PM_OPTIONS_"/> 
	More settings: see tab manager: MyPMSPro: parameters
	also enable PMS integration in Configuration/Integration

Figure 3: CB Core MyPMS and Pro Parameters

3.2 CB Connection Notifications (optional)

If you have enabled CB Connections it is probably a good idea to specify that connection notifications also use your PMS installed component. This is done from your CB backend configuration Manager as illustrated in **Figure 4**.



Configuration Manager

Your version is : 1.1
 Latest version : 1.0.2


General Registration User List User Profile Images Moderation **Connections** Integration

Current Setting	Explanation
Enable Connections: Yes	Enabling this feature will allow your users to connect with one another. This is often also referred to as a buddy or friend system.
Display Type: Public	Choose whether to make the display of each users connections public or private
Display Connection Path: Yes	Choose whether to display the connection path between a user and the profile he/she visits
Mutual Consent: Yes	Enabling this feature will require that both parties agree to the initiated connection before an official connection is established.
Notification Method: PMS	Choose whether you want connection notifications and which method you would like you users to received notifications related to connections workflow.
Cross Connections: PMS	Enabling this feature will make a connection for both parties instead of just the requesting party.
Connection Types: PMS+Email, Co Worker, Same Country/Area, Same Language, Developer, Designer	Enter a list of types to allow your users to further categorize there connections. Press enter after each type.

Figure 4: Connection Notifications

3.3 Configuring CB Quick Message Tab

Once you publish the MyPMS and Pro core CB plugin you should also make sure that Quick Message tab is published and configured. You can locate the Quick Message Tab in the Tab Manager area of the Community Builder backend. In Figure 5 the Quick Message tab is located in line 7.



Tab Manager

Display# 10 Search:

#	<input type="checkbox"/> Title	Description	Display	Plugin	Published	Position	Re-Order
1	<input type="checkbox"/> Forum settings	These are your forum settings		-	✓		1
2	<input type="checkbox"/> Menu		html	CB Menu	✓	head	▼ -10
3	<input type="checkbox"/> Connection Paths		html	CB Connections	✓	head	▲▼ -9
4	<input type="checkbox"/> User Profile Page Title		html	CB Core	✓	head	▲ -8
5	<input type="checkbox"/> Portrait		html	CB Core	✓	middle	-7
6	<input type="checkbox"/> User Status		html	CB Menu	✓	right	▼ -6
7	<input type="checkbox"/> Quick Message		html	PMS MyPMS and Pro	✓	right	▲ -5
8	<input type="checkbox"/> Articles		tab	Joomla Content Author	✓	tabmain	▼ -4
9	<input type="checkbox"/> Contact Info		tab	CB Core	✓	tabmain	▲▼ -3
10	<input type="checkbox"/> Blog		tab	Mamblog Blog	✓	tabmain	▲ -2

<< Start < Previous 1 2 3 Next > End >>

Figure 5: Quick Message Tab location

When editing the Quick Message tab you are presented with a set of parameters as illustrated in Figure 6. These parameters are self-explanatory and should be set accordingly.

Edit Tab [_UE_PMSTAB]

Tab Details	Parameters
Title: <input type="text" value="_UE_PMSTAB"/>	Quick Message Settings
Description: <input type="text"/>	Show Tab title: <input type="text" value="Show"/> ⓘ
Publish: <input type="text" value="Yes"/>	Show Subject Field: <input type="text" value="Show"/> ⓘ
Position: <input type="text" value="Right side (of middle area)"/>	Width (chars): <input type="text" value="30"/>
Display type: <input type="text" value="Raw display without title"/>	Height (lines): <input type="text" value="5"/>
	More settings: see plugin manager: MyPMSPro: parameters

Figure 6: Quick Message Tab Parameters

Please note that the Quick Message tab can be configured just like any other CB Tab. Specifically, the 'Position' parameter combined with the 'Display type' parameter may be used to generate a number of different placements and display formats for the Quick Message tab.

If all previous steps have been properly followed, then you should be able to see a **Send Private Message** submenu and a **Quick Message box** when visiting a member's profile (not your own profile because you cannot send a message to yourself). This is illustrated in **Figure 7**.

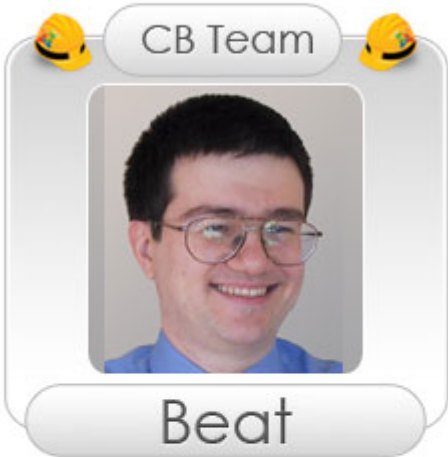
Community View Messages Connections

Send Private Message
Send Email

You are directed with beat

Send a Private Message to this user

beat Profile Page



Hits	1026
Online Status	OFFLINE
Member Since	2005-10-25 09:46:27
Last Online	2007-02-11 09:01:09
Last Updated	2006-10-12 23:06:54
Forum Ranking	Administrator administrator
Total Posts	953
Karma	154
Connections	23
Avg Profile Rating	★★★★
Last Gallery Update	2006-04-17 23:00:00

Quick Message:

Send Message

Figure 7: CB Profile with PMS support

Note: Depending upon your specific PMS installation the Quick Message box may contain or not a Subject field. In our illustration in **Figure 7**, we show UDDE IM which does not have subject lines for private messages.

3.4 Configuring CB Login Module

The Community Builder login module also contains PMS integration support. First of all we need to locate the CB Login Module in the Module Manager area. E.g., line 4 in **Figure 8**.



The screenshot shows the Joomla! Module Manager interface. At the top left is the 'Module Manager [Site]' logo. To the right are two dropdown menus: '- Select Position -' and '- Select Type -', and a 'Filter:' input field. Below these is a table listing modules. The table has columns: #, Module Name, Published, Reorder, Order, Access, Position, Pages, ID, and Type. Row 4 is highlighted, showing the 'CB Login' module with an order of 2, 'Public' access, 'left' position, and 'All' pages.

#	Module Name	Published	Reorder	Order	Access	Position	Pages	ID	Type
1	Banners	✘		1	Public	banner	Varies	18	mod_banners
2	Main Menu	📄		1	Public	header	All	3	mod_mainmenu
3	CB Gallery Module	📄	⬇	1	Registered	left	Varies	77	mod_cbgallery
4	CB Login	📄	⬆	2	Public	left	All	55	mod_cblogin
5	User Menu	📄	⬆	3	Registered	left	All	2	mod_mainmenu
6	Linux CpuLoad	📄	⬆	4	Special	left	All	50	mod_linuxcpuload
7	Template Chooser	📄	⬆	5	Special	left	Varies	10	mod_templatechooser
8	Other Menu	✘	⬆	6	Public	left	All	30	mod_mainmenu
9	Login Form (Joomla)	✘	⬆	7	Public	left	Varies	4	mod_login
10	Syndicate	📄	⬆	8	Public	left	Varies	5	mod_rssfeed

<< Start < Previous 1 2 3 4 Next > End >>

Figure 8: CB Login module in Module Manager

Once we find the CB Login module in the Module manager area we edit the parameters of this module instance. The Private Messaging System parameter needs to reflect our installed PMS component and the Private Message Notification parameter should also be set to our liking. In **Figure 9** these parameters are set to uddeIM (as our installed PMS component) and to show PMS notification link even if no messages are present. This basically allows the CB module to link back to the PMS component without the need for a visible extra menu link or extra PMS module. **WARNING:** you still need a published menu item for the inbox, for the Itemid to be computed correctly, but this menu item may be located in an unused menu in a non-displayed module position.

<i>Show avatar when logged-in</i>	Show always ▼
<i>Avatar position</i>	Default ▼
<i>Private Messaging System</i>	ucdeIM ▼
<i>Private Messages Notification</i>	Show also if no messages ▼
<i>Connections Notification</i>	Show only if pending notifications ▼
<i>Post login and register</i>	same as page (default) ▼

Figure 9: CB Login module PMS support parameters

With the parameters set as in **Figure 9** we should be able to see the CB login in the front-end similar to the illustration in **Figure 10**.

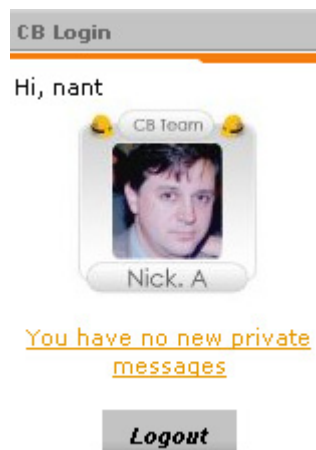


Figure 10: CB Login PMS front-end support

4 Summary - Checklist

To summarize the following steps should be followed to integrate your Joomla! PMS component with CB:

If the installed Joomla! PMS component is supported by the core CB PMS plugin:

- (1) Install your Joomla! PMS component
- (2) Create a menu item to your PMS component (even if you do not publish it)
- (3) Publish and parameterize the core CB MyPMS and Pro plugin
- (4) [Optional] Configure CB Connections to use PMS method for notifications
- (5) Publish and parameterize the core Quick Message tab
- (6) [Optional] Configure CB login to support login module notification links for your PMS system.

If your PMS component is not supported by the core CB plugin you need to unpublish the core CB plugin and install the CB plugin provided by the PMS developer and follow instructions provided by this plugin developer.

5 Developing a PMS Plugin

The Community Builder plugin system is very flexible. It allows third-parties to develop their own plugins so that CB can support new yet unknown PMS systems. Please refer to the freely available CB API documentation and study the CB core MyPMS and Pro plugin for guidance.