



# VTiger CRM + Joomla/ChronoForms Integration

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## Resources and versions used for this document:

- I.- VTiger CRM 5.1.0 ([www.vtiger.com](http://www.vtiger.com))
- II.- Joomla! CMS 1.5.20 ([www.joomla.org](http://www.joomla.org))
- III.- ChronoForms 3.1 RC 5.5 ([www.chronoengine.com](http://www.chronoengine.com))

## 1.- Configuration of VTiger

### A.- Enabling the Webforms module

The first step of the integration is to enable the module that will provide us the link between forms and VTiger.

First, you must access VTiger as an administrator, and access the module manager section.



In it you will find the different modules currently installed into your VTiger installation, the one we are looking for is the Webforms module, and we must ensure that is installed\* and enabled.



Note (\*): If the module in question is not installed, please refer to the VTiger installation documentation, or its articles on the web wiki.

### B.- Creating a service user

The second step that you should do, is to create a service user for the configuration of the webforms module, you can do it via “Settings”-> “Users” inside Vtiger. And then Log In with that user and enter “My Preferences”, which you can find it on the right top of the page, and copy the Access key of that user, which we will be using later.

Note: I found on several occasions that the default user used by the configuration of webforms does not respond as expected when combining a form application, that’s why the service user.

### C.- Editing the Webforms configuration file

You can find the configuration file for the webforms module inside the VTiger installation, under modules/Webforms/Webforms.config.php

```
$enableAppKeyValidation = false;  
$defaultUserName = 'test';  
$defaultUserAccessKey = 'JrwvcTBt9NDkZxqf';  
  
$defaultOwner = 'test';  
$successURL = '';  
$failureURL = '';
```

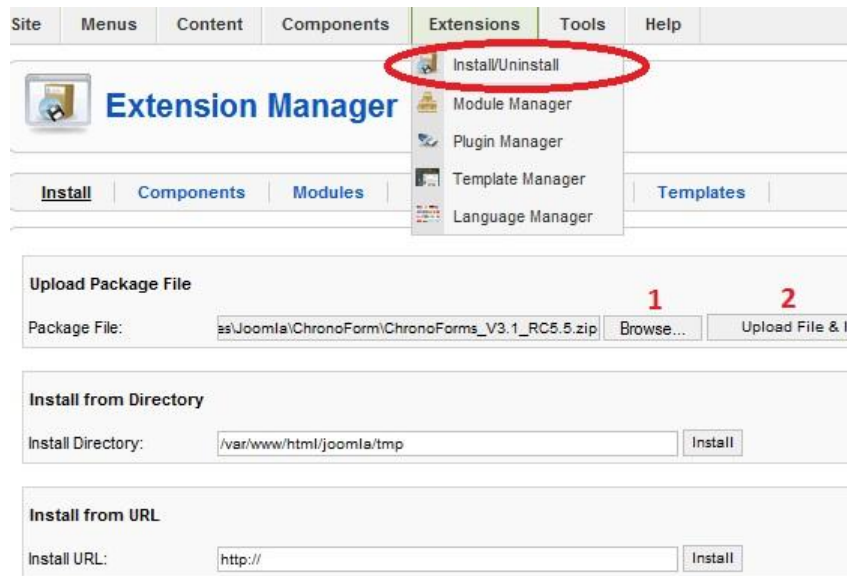
You must change the \$enableAppKeyValidation to “false”, add the user you created previously to the \$defaultUserName and \$defaultOwner, add its Access Key which we copied earlier, and save the file.

## 2.- Configuration of Joomla

### A.- Installing Chronoforms

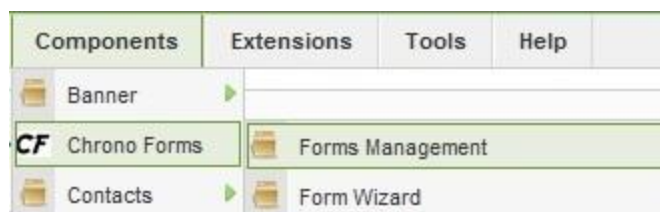
Now, assuming you installed and configured Joomla! Correctly, you must install chronoforms, which is the module we'll be using to create the forms of the website. Download the chronoforms package from its site and keep it in hand.

Access the Joomla! Administration site, and go to "Extensions"->"Install/Uninstall", add the package file using "browse", and then click on "upload file & install", and it will pop up a message saying it installed correctly.



### B.- Configuring Chronoforms

After you install chronoforms, you must configure a little option, so that it doesn't give you a "News Feed" warning message or similar, which makes the site take a long time to load. Access the module via "Components"->"Chrono Forms"->"Forms Management".



Access the "parameters" tab on the right of the admin site.



And Change to "disabled" the "Tip of the day"

### 3.- Creation and configuration of the Form

#### A.- Creating the Form via the Wizard

Access the wizard via the “Components”->”Chrono Forms”->”Form Wizard”, and add the “text box” item for common elements and the “button” for the submit button. It’s very important to name the field name as same as VTiger has it on its database schema. Then after you’re done, save the form as it is.

Note: You can find the correct values for the field name inside the VTiger installation directory on /schema/DatabaseSchema.xml, under the “vtiger\_leaddetails” table name line.

Caution: For the Leads Module it’s mandatory to have at least the required fields which are “company” and “lastname”, apart from the “submit” button.

The screenshot displays the VTiger Form Wizard interface. On the left, a form is being built with three text input fields labeled "Name:", "Last Name:", and "Company:", and a "submit" button. A red circle with the number "4" highlights the save icon in the top left corner. A red arrow points from the "Name:" field to the "TextBox" item in the Toolbox. Another red arrow points from the "submit" button to the "Button" item in the Toolbox. The Toolbox on the right lists various form elements: Text, Heading, TextBox (marked with a red arrow and "1"), PasswordBox, TextArea, DropDown, CheckBox, RadioButton, DateTimePicker, FileUpload, HiddenField, Captcha, MultiHolder, and Button (marked with a red arrow and "2"). Below the Toolbox is the Properties panel, which shows configuration options for the selected element. The "Field Name" property is set to "firstname" and is circled in red with the number "3". Other properties include Label, Small Label, Size (30), Max Size (150), Validation options (Required, Numbers Only, Digits Only, Alphas Only, Alphas/Nums Only, Date, Email, URL, Date (AU), Currency-Dollars), Validation Message, Tooltip, Hide Label, Label Width (150 px), and an "Apply" button.

## B.- Editing the Form

After you created the form, edit it via the “Form Manager” clicking on the name you created for it when you saved it.

Plugins		Chrono Forms - Forms Manager			
#	Form ID	<input type="checkbox"/>	Name	Link	
1	1	<input type="checkbox"/>	Form1	index.php?option=com_chronocontact&chronoformname=Form1	

Display # 20

Inside its options, DO NOT edit any values, and go directly to the “Form Code” Tab. There, you must expand the “Form HTML” item, and search for the “submit” button you created earlier, and make sure its “input value” is ‘Submit’, and its “name” and “type” are ‘submit’, this is because VTiger has a field for the ‘submit’ value.

General Setup Emails Emails Templates **Form Code** DB Connection AutoGenerated code File Uploads Anti Spam Validation Plugins RunOrder

Main onLoad/View Code

Hint: Don't use <html> - <body> - <head> - <form> - <script> -<style> tags in the 2 boxes below!

**Form HTML:**  
(May contain PHP code with tags) [+/-]

```
<option value="">-Seleccionar-</option>
<option value="Government">Government</option>
<option value="Technology">Technology</option>
<option value="Other">Other</option>

</select>

</div>
<div class="cfclear">&nbsp;</div>
</div>

<div class="form_item">
<div class="form_element cf_textbox">
<label class="cf_label" style="width: 150px;">Sitio Web:</label>
<input class="cf_inputbox validate-url" maxlength="150" size="30" title=""
id="text_9" name="website" type="text" />

</div>
<div class="cfclear">&nbsp;</div>
</div>

<input value="Web Site" id="hidden_19" name="leadsource" type="hidden" />

<div class="form_item">
<div class="form_element cf_button">
<input value="Submit" name="submit" type="submit" />
</div>
<div class="cfclear">&nbsp;</div>
</div>
```

After you finished editing the form code, go to the “Plugins” tab on the same page, on the far right of the form code tab, and when you’re there, enable the “CURL” plugin, by simply clicking on the “tick” symbol. And then save your changes via the “Save” button on the upper right corner.

General Setup Emails Emails Templates Form Code DB Connection AutoGenerated code File Uploads Anti Spam Validation **Plugins** RunOrder

Plugins Order ⚠

Authorize .net	1	⬅	➡	✔
CURL	2	⬅	➡	✘

← Enable This One

## C.- Configuring CURL

Now, you must go to the “Forms Manager”, select the form via the checkbox on its left, and then press on the “CURL” button on the left menu.

Plugins	Chrono Forms - Forms Manager				
	#	Form ID	<input type="checkbox"/>	Name	Link
	1	1	<input type="checkbox"/>	Form1	index.php?option=com_chronocontact&chronoformname=Form1
	Display # 20				

When you’re inside, you’ll be on the “General Tab”; you will be editing the “Field names” by putting the values of the VTiger database schema again, even if we configured it earlier. And also you must add on the “Extra fields Data” the following line “moduleName=Leads”, exactly as its written, or else it will not work.

General	CURL params	Extra code	Help
<b>Field names from your form</b>			
<input type="checkbox"/>	'firstname' field	firstname	
<input type="checkbox"/>	'lastname' field	lastname	
<input type="checkbox"/>	'email' field	email	
<input type="checkbox"/>	'phone' field	phone	
<input type="checkbox"/>	'company' field	company	
<input type="checkbox"/>	'industry' field	industry	
<input type="checkbox"/>	'website' field	website	
<input type="checkbox"/>	'leadsource' field	leadsource	
<input type="checkbox"/>	'submit' field	submit	
<b>Extra field values to send</b>			
moduleName=Leads			
<input type="checkbox"/>	Extra fields Data		

Then on the “CURL params” tab, you must add the webforms “post.php” html web address on the “target” line. (By default this file is on the VTiger installation directory, under /modules/Webforms/post.php)

General	CURL params	Extra code	Help
<b>Plugin parameters</b>			
<input type="checkbox"/>	Target URL	http://192.168.0.155/vtigercrm/modules/Webforms/post.php	
<input type="checkbox"/>	Flow control	Before Email	
<input type="checkbox"/>	Debugging	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<input type="checkbox"/>	Header in Response	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Also, it’s convenient to enable for the first time only, the “debugging” and “header in response” option for troubleshooting.

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## 4.- Testing the form.

### A.- Ensuring the form functionality

By now the form should be working, the first thing you need to do is to publish it, via the “Forms Manager”, and clicking on the icon under “Publish”, until it becomes a green “tick”.

Link	Emails	Tables Connected	Publish
<a href="index.php?option=com_chronocontact&amp;chronoformname=Form1">index.php?option=com_chronocontact&amp;chronoformname=Form1</a>	Enabled:0 Disabled:0		

To ensure that your form works correctly, Access the form link, fill the boxes you defined earlier, and submit the form, if the form was correctly sent to VTiger, you will get a “Leads entry is added to VTiger CRM” message. And also, you will get the debug info needed for troubleshooting if you get an error of some kind.



```
cf_CURL debug info
$curl_values:
firstname=&lastname=Pineda&email=&phone=&company=SSA&industry=&website=&leadsource=Web+Site&submit=Submit&moduleName=Leads
$params->target_url: http://192.168.0.155/Vtigercrm/modules/Webforms/post.php
$ch: Resource id #100
CURL response: HTTP/1.1 200 OK Date: Wed, 11 Aug 2010 02:22:24 GMT Server: Apache/2.2.3 (CentOS) X-Powered-By: PHP/5.2.10 Content-Length: 1207 Connection: close Content-Type: text/html; charset=UTF-8
```



 Leads entry is added to vtiger CRM.

### B.- Common errors and mistakes

If you ever get an “ACCESS\_DENIED” error explaining: “Permission to perform the operation is denied by name”, This is because for some X reason, might be a network problem or a configuration mistake, the form is not being received correctly by VTiger.

**Failed to add entry in to vtiger CRM.  
Error Code: ACCESS\_DENIED  
Error Message: Permission to perform the operation is denied for name**

For example a common reason of this is because you haven specified the field “moduleName=Leads” on the CURL parameters described on point 3.C.

For any other errors, I suggest you first search using the search function for the error message you get on the VTiger Forums and the web, and if you cannot find a solution your answer via the web or you knowledge, write down a forum post on the VTiger forums, and be as lengthy as you can describing your problem in details.

NOTE: When you install and configure Joomla!, do it from your web accessible address, since it registers it inside its database. DO NOT use ‘localhost’ or a local IP for the target of the POST action if possible, use a web accessible address. (The test I used permitted med to use a local IP, although is not recommended).