

ENTERPRISE ARCHITECT

User Guide Series

Publish to Joomla!

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Publish to Joomla!

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Enterprise Architect provides a facility for publishing model content as Articles (HTML pages) in a local Joomla! installation. As you develop your model you can publish it in the local Joomla! Repository, where the outline structure closely mirrors the model hierarchy and makes it very simple to explore models on-line. You can publish either an entire model or a single branch of the model into the local Joomla! Repository. This local Repository can then be easily transferred to a live Joomla! Server.

Publish model content into Joomla!

To publish the content of a model as Articles in Joomla! you work through these stages:

Stage	Action
1	Install Joomla! locally and create a Joomla! repository.
2	Set up an ODBC link to the created Joomla! repository.
3	Connect to the Joomla! repository from Enterprise Architect and publish Articles.
4	(Optional) Transfer the local Joomla! site to a live Joomla! server. (See <i>Learn more</i> .)

Notes

- Publish to Joomla! is supported in all Editions of Enterprise Architect
- In the Corporate, Unified and Ultimate Editions of Enterprise Architect, if security is enabled you must have 'Generate Documents' permission to Publish as Joomla! Article

Install Joomla! Locally

Before you can publish model contents as Joomla! Articles, you must install Joomla! locally on your workstation.

There are three stages in the process of installing Joomla! locally:

- 1. Download and install software that Joomla! requires to run locally
- 2. Download and install Joomla! itself
- 3. Configure Joomla! and create a MySQL repository into which to publish the Articles

Stage 1: Download and install software that Joomla! requires to run locally

Step	Action
1	Joomla! depends on these software applications to run locally:
	Apache web server
	MySQL DBMS
	• PHP scripting language
	If you do not already have these applications, you must install them on your workstation. To do this, you can use a solution package such as XAMPP, which you can download from this site.
	The instructions for installing XAMPP are available here.

Stage 2: Download and install Joomla!

Step	Action						
1	In the xampp\htdocs folder, create a folder for the Joomla! installation (so, if you have installed XAMPP in the default location then create the folder under c:\xampp\htdocs).						
	Give this folder a suitable name.						
	Note - this folder name will be used as the Joomla! Repository name in the MySQL database in Stage 3.						
2	Download the Joomla! Full package from here.						
3	Unzip the contents of the downloaded .zip file into the Joomla! folder you created in Step 1. For detailed instructions on installing Joomla! locally, refer to the section <u>Download and install Joomla!</u> .						

Stage 3: Configure Joomla! and create a MySQL repository in which to publish Articles

Step	Action

1	Check that the Apache and	d MySQL modules are runni	ng in the 'XAMP	P Control Panel'.
2	Open a web browser and t http://localhost/ <jooml where <joomla_folder_na The Joomla! Web Installe</joomla_folder_na </jooml 	type in the URL: a_folder_name> me> is the name of the Joon r page displays.	ıla! folder that yo	u created in Stage 2.
	Joomla! Web Installer ×	(+	d 0 surt	
	localhost/joomla34/installatio	Incented ¹⁰ in free enforces released up		
	1 Configuration	Database 3 Overview		nic License.
	Select Language	English (United States)		→ Next
	Main Configura	tion		
	Description	Enter the name of your Joomla! site.	Aamin Email "	Enter an email address. This will be the email address of the Web site Super Administrator.
		Enter a description of the overall Web site that is to be used by search	Admin Username *	Set the username for your Super Administrator account.
		engines. Generally, a maximum of 20 words is optimal.	Admin Password *	Set the password for your Super Administrator account and confirm it in the field below.
			Confirm Admin Password *	
	Site Offline	Yes No Set the site frontend offline when installatio Global Configuration.	n is completed. The site ca	n be set online later on through the
3	Complete all the required The 'Database Configurat	fields on the 'Main Configur ion' tab displays.	ration' tab, and cli	ck on the Next button.
4	Complete the fields on the Database Type = My Host Name = localho Username = database Password = database	e 'Database Configuration' ta SQL st user (the default MySQL us user password (the default M	b as shown: er is root) 1ySQL user root	has no password)
	Step 1 of Stage 2	the 'Finalization' tab display	s.	ionuci you created earner in
5	On the 'Finalization' tab, i	n the 'Install Sample Data' se	ection, select the	None' option.

5 WI De	hen the Joomla! repository installation is com tails' panels display.	plete, the 'Congratulations' and 'Administration	n Login					
	Joomia: Web Installer × +	C ⁴ Q. Search	1 & =					
	X-	loomla!°						
	Joomla! [©] is free software rele	eased under the GNU General Public License.						
	Congratulations! Joomla! is now	r installed.						
	PLEASE REMEMBER TO COMPLETELY REMOVE THE INSTALLATION FOLDER. You will not be able to proceed beyond this point until the installation folder has been removed. This is a security feature of Joomlal. Remove installation folder							
	Site Administrator Administration Login Details	Joomla! in your own language and	l/or					
	Email jadmin@sparxsystems.com.au Username jadmin	automatic basic native multilingua site creation	l					
		Before removing the installation folder you can install extra languages. If you want to add extra languages to your Joomla application click the following button. → Extra steps: Install languages	!					
		Note: you will need Internet access for Joomla! to download an install the new languages. Some server configurations won't allow Joomla! to install the languages. If this is your case, don't worry, you will be able to them later using the Joomla! administrator.	nd install					

Notes

• Enterprise Architect has been tested with Joomla! versions 3.4/3.5/3.6 and XAMPP versions 5.6.12/5.6.23 (XAMPP Control Panel version 3.2.1/3.2.2 respectively)

Set up a Joomla! ODBC Link

After you have created a Joomla! repository in your MySQL database, you must set up the MySQL ODBC driver so that you can connect to this repository from Enterprise Architect and publish model contents as Articles.

Prerequisites

Install:

- MySQL DBMS (this will be part of the XAMPP installation)
- MySQL ODBC driver software version 5.3.4 or higher

Set up the ODBC Driver

Your MySQL ODBC driver is now available to connect to the Joomla! Repository from Enterprise Architect.

Step	Action
1	Under both 32 bit and 64 bit operating systems, Enterprise Architect requires 32 bit ODBC drivers to connect to a repository through ODBC. You can quickly load the correct 32 bit ODBC Data Source Administrator by selecting the 'Settings > User Tools > ODBC Data Sources' ribbon option. The ODBC Data Source Administrator window displays.
2	Click on the Add button in 'User DSN' tab of the dialog. The 'Create New Data Source' dialog displays, through which you add a new DSN.
3	Click on the appropriate MySQL ODBC driver in the list, and click on the Finish button. The 'MySQL Connector/ODBC' dialog displays.
4	 Enter these configuration details: A data source name for the connection (Optional) a description of the connection The host address of the DBMS server - – if you have installed MySQL DBMS using XAMPP, then the host address and Port can be determined as boxed and underlined, respectively, in green on these control panels:

	XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013]				
	XAMPP Control Panel v3.2.1				
	Modules Service Module PID(s) Port(s) Actions				
	Apache 1300 732 80, 443 Stop Admin Config Logs Shell				
	MySQL 1188 3306 Stop Admin Config Logs Explorer				
	FileZilla Start Admin Config Logs Services				
	Mercury Start Admin Config Logs @ Help				
	Tomcat Start Admin Config Logs				
	10:58:52 AM [main] All prerequisites found 10:58:52 AM [main] Initializing Modules 10:58:52 AM [main] Starting Check-Timer 10:58:52 AM [main] Control Panel Ready 10:58:55 AM [Apache] Attempting to start Apache app 10:58:55 AM [Apache] Status change detected: running 10:59:03 AM [mysql] Attempting to start MySQL app 10:59:06 AM [mysql] Status change detected: running 10:59:24 PM [main] Executing "c:\xampp\mysql" * *				
	← ○ 魚 http://localhost/phpmyadmin/# タマ ☆ ☆ ☆ ☆ ☆ ☆ ☆				
	phpMyAdmin C Server 127.0.0.1				
	Area 0 Control Control SQL Status Image: Users Export ▼ More				
	General Settings Database server				
	New Server: 127.0.0.1 via TCP/IP Server: 127.0.0.1 via TCP/IP				
	transferred bregion bregi				
	MySQL Community Server (GPL)				
	Protocol version: 10 Protocol version: 10 User: root@localhost				
	• User name and password (the default user name for a MySQL repository is root with no password)				
	• The database name on the selected server - this name will be the name of the Joomla! folder you created when you installed Joomla! locally				
5	Click on the Details>> button to set the advanced options.				
6	Select these checkboxes (where provided):				
	 'Return matched rows instead of affected rows' ('Conversion' or 'Cursors/Results' tab) 				
	 'Allow big result sets' ('Connection' tab) 				
7	Click on the Test Connection button to confirm that the configuration is correct.				
8	If the test succeeds, click on the OK button to complete the configuration				
0	If the test fails, review your settings				
	it the test fails, for own your settings.				

Publish as Joomla! Article

Enterprise Architect Models can be published as Articles (HTML page) in a local Joomla! installation, using the 'Publish as Joomla! Article' dialog. All child Packages of the selected Package will be automatically included for publishing.

Prerequisites

- Install Joomla! locally and create a Joomla! repository
- Set up an ODBC link to the Joomla! repository

Access

In the Browser window, click on the Package to be published.

Ribbon	Publish > Model Reports > HTML > Publish to Joomla! or
	Specification-Specify > Element > Documentation > Publish as Joomla! Article

The 'Publish as Joomla! Article' dialog

Publish as Joomla! Ar	ticle			×
P <u>a</u> ckage:	ge: Geospatial Modeling			
Joomla! <u>O</u> DBC Link:				
Joomla! <u>F</u> older:				
Joomla! <u>U</u> ser:			-	
Options				
Content <u>T</u> emplate :		<default></default>		•
Diagram Theme :		<none></none>		Ŧ
Sub-menu Items :		Visible		-
External Hyperlink Target :		_blank (New	window)	Ŧ
Include				
✓ Project Manager	ment Items		☑ Maintenance Item	s
⊡ T <u>e</u> st Cases			✓ Non Printable Eler	ments
Progress:	ublish	<u>V</u> iew	Close	Help

Create Joomla! Articles

Use the 'Publish as Joomla! Article' dialog to capture the Package contents as a Joomla! Article.

Field/Button	Action
Package	Displays the name of the currently-selected Package. If this is not the required Package, click on the Package.
Joomla! ODBC Link	Click on the button to browse for and select the Joomla! ODBC Link.
Joomla! Folder	Click on the button to select the Joomla! Folder in your file system. Note that this folder should have the same name as the database in the selected Joomla! ODBC Link, and will usually be located at <i>C:\xampp\htdocs</i> (if you have installed XAMPP).
Joomla! User	Click on the drop-down arrow and select the user in the specified Joomla! Repository, to act as author for the created Article(s).
Content Template	(Optional) Click on the drop-down arrow and select a custom content template to apply, in place of the default content template.

	Use the ' <default>' value for the standard, system-provided content template. Click on the button to open the 'Joomla Content Template' dialog for creating,</default>
	modifying, and deleting content templates.
Diagram Theme	Click on the drop-down arrow and select a Diagram Theme to apply the color, line thickness and font style to the diagrams of elements in the article, if those elements are using default values.
	If you set the field to ' <none>' the system default theme defined in the 'Preferences' dialog, 'Diagram > Themes' page will be applied.</none>
Sub-menu Items	Click on the drop-down arrow and select whether to show/hide sub-menu items.
	• Hidden - sub-menu items are visible only when a parent menu item is clicked
	• Visible - sub-menu items are always visible
External Hyperlink Target	Click on the drop-down arrow and select whether to show external hyperlinks in the same window or tab, or in a new window or tab.
	• _blank (New window) - opens the hyperlink in a new window or tab
	• _self (Same frame) - opens the hyperlink in the same window or tab
Include	Select the appropriate checkboxes to include, in the published Article:
	 Project Management Items – element Resource Allocation, Efforts, Risks and Metrics
	• Test Cases – element Test Cases
	 Maintenance Items – element Changes, Issues, Defects, Tasks, Decisions and Events
	• Non Printable Elements – elements that are set as non-printable on the diagram
Publish	Click on this button to publish the selected Package as a Joomla! Article.
	Messages concerning the progress of publishing are displayed in the System Output window.
View	Once the publishing process has completed, you can click on this button to launch your default web browser and view the published Article.
	The Article will be found under the URL:
	http://localhost/ <joomla_folder_name>/</joomla_folder_name>
	where <joomla_folder_name> is the name of the selected Joomla! folder.</joomla_folder_name>
Close	Click on this button to close the 'Publish as Joomla! Article' dialog.
Help	Click on this button to display this Help topic.

Notes

- Publish to Joomla! is supported in all Editions of Enterprise Architect
- In the Corporate, Unified and Ultimate Editions of Enterprise Architect, if security is enabled you must have 'Generate Documents' permission to Publish as Joomla! Article
- Model items published as Joomla! Articles will be displayed in the System Output window double-click on a

Package, element or diagram in the System Output window to highlight it in the Browser window

- When publishing large models, it is recommended that you hide the sub-menu items; the option 'Sub-menu Items', when selected, hides sub-menu items, and the 'EA Browser window' menu will initially show only the top-level menu items; clicking on a top-level menu item will then show the child menu items, if any
- If the parent Package of the Package being published in the Enterprise Architect model already exists in Joomla!, then the selected Package will be published as a child of that parent Package in Joomla!
- You can search published Articles by enabling Joomla!'s built-in Search functionality in the website
- It is recommended that you do not access or refresh the Joomla! website when articles are being published from Enterprise Architect
- If you have accidentally accessed or refreshed the Joomla! Website, or you see a PHP script error on top of the web page, log into the Joomla! 'Administrator Control Panel' and click on the Rebuild button in the Joomla! 'Menu Manager'
- The Joomla! 'Administrator Control Panel' can be accessed through this URL: <u>http://localhost/</u><joomla_folder_name>/administrator where <joomla_folder_name> is the name of the Joomla! folder

Joomla! Content Templates

You can use the Joomla! Content Template Editor to customize the content of published Joomla! Articles.

Access

On the 'Publish as Joomla! Article' dialog, click on the 'Content Template'

Ribbon	Publish > Model Reports > HTML > Publish to Joomla! or
	Specification-Specify > Element > Documentation > Publish as Joomla! Article

Manage Joomla! Content Template

Field/Button	Action
Content Template	Lists the available Content Templates. The <default> template is a predefined system template that is protected from editing and deletion. You can copy it to create new Content Templates.</default>
Clear checkboxes for properties not to be published	This panel displays a full list of the object types that are supported as content. You can click on the expansion box against an object type to display the properties of that type. Clear the checkbox against each object or property that you do not want to include in the Joomla! Articles.
Save	Click on this button to save any changes you have made to the selected content template.
Save As	Click on this button to save the changes you have made under a different template name (that is, copy the selected template).
Delete	Click on this button to delete the selected template.
Close	Click on this button to close the 'Joomla! Content Template' dialog.
Help	Click on this button to display this Help topic.

The 'Joomla! Content Template' dialog

Joomla Content Template	properties published in Joomla! Article.
Content Template : <default> No-diagrams</default>	Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not to be published : . Clear check boxes for properties not for public for the published : . Clear check boxes for properties not for public for the published : . Clear check boxes for public for the public for t
Save Save As Delete	<u>C</u> lose <u>H</u> elp

Example - Package Published as Joomla! Article

This example shows the Package 'Modeling in Color' published as a Joomla! Article. This is the expanded Package as it appears in the Enterprise Architect Browser window:



This is the Package as it appears as a Joomla! Article on the Joomla! site:

Example M	lodel	
Modeling in Color : I	Public Package Menu created by Enterprise Architect EA Project Browser EA Project Browser	
General : Version: 1.0 Phase: 1.0		
Complexity: Easy	Manu Items that mirror the Package biorarchy	
Project : Author: Pat Taylor Status: Proposed Created: 28/02/11 3:05:49 PN Modified: 28/02/11 3:05:49 PN	M M M M	
GUID: {4F27C3E9-7DC0-40	01f-B690-7D9AF0229E50}	
Abstract: false	Thing Role	
Written by Super User Category: EA Article Category —	Enterprise Architect created Category under which all Joomla! Articles will be published Next Main Menu Home	
You are here: Home > Modeli	ling in Color	
	Login Form	
	L Usemame	
	Username Password Remember Me Log in	
	Username Password Password Remember Me Log in Forgot your username? Forgot your password?	
	Username Password Password Remember Me Log in Forgot your username? Forgot your password?	

Notes

- When a Package is published as a Joomla! Article, Enterprise Architect will:
 - Create a Joomla! *Category* called 'EA Article Category', and publish all the Articles under this category
 - Create a Joomla! *Menu* called 'EA Project Browser' and add menu items for each Article published
- If the 'EA Project Browser' menu already exists when you publish a Package, then Enterprise Architect will reuse this menu and will update it with new menu items

Enable Search in Joomla! Website

Once Enterprise Architect models have been published as Articles (HTML pages) using the 'Publish as Joomla! Article' dialog in the local Joomla! installation, you can search for items within these Articles using Joomla!'s built-in Search facility.

Prerequisites

- Install Joomla! locally and create a Joomla! repository
- Set up an ODBC Link to the created Joomla! repository
- Publish model content as a Joomla! Article

Enable the Joomla! Search Facility

Step	Action
1	Open the 'Joomla! Administrator Control Panel' using this URL: http://localhost/ <joomla_folder_name>/administrator where <joomla_folder_name> is the name of your Joomla! folder.</joomla_folder_name></joomla_folder_name>
2	Select the 'Extensions Modules' menu option.
3	Click on the New button and select the 'Search' option.
4	Type in a title (such as 'Search'), select a position in the 'Position' drop-down field (this determines where the 'Search' text box is displayed in the website), and click on the Save & Close button.
5	Access the Joomla! website by typing this URL in the 'Web Address' field: http://localhost/ <joomla_folder_name> where <joomla_folder_name> is the name of your Joomla! folder. You will now see a 'Search' text box displayed.</joomla_folder_name></joomla_folder_name>