

JOOMLADAY
TORINO 2018



JOOMLA 4

Un nuovo inizio

Funzioni, Performance, Workflows, UX e molto altro.
Cosa cambia realmente nel nostro CMS?

Simone Bussoni – Joomla! Expert per Quantity s.r.l.





JOOMLA 4 IS ON THE HORIZON

State of
Joomla 4.0

#joomla4

joomla.org

Copywriters



Developers



System Integrators





JOOMLA 4 IS ON THE HORIZON

State of
Joomla 4.0

#joomla4

joomla.org

Oltre 5.000
nuovi commits
su GitHub
rispetto alla
3.8.13

Oltre 8.400 file
modificati
rispetto alla
3.8.13

30 sviluppatori,
più di 100 di
commits
solo nell'ultimo
mese

Il nuovo Web Installer



Joomla Web Installer



Select Installation Language

Select Language

English (United States)



Setup Site Name

Enter the name of your Joomla site. *

My new Joomla 4 Site

Setup Login Data >

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



Il nuovo Web Installer



Joomla Web Installer



Login Data

Set the username for your Super User account. *

Set the password for your Super User account. *

Enter the email address of the website Super User. *

Setup Database Connection >

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



Il nuovo Web Installer



Joomla Web Installer



Database Configuration

Select the database type. *

MySQLi

Select the database type.

Enter the host name, usually "localhost" or a name provided by your host. *

localhost

Either a username you created or a username provided by your host. *

dbuser

Either a password you created or a password provided by your host.

.....

Enter the database name. *

joomla_db

Enter a table prefix or use the randomly generated one. *

vmwvo_

Install Joomla >

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



Il nuovo Web Installer



Joomla Web Installer

 Congratulations!

Congratulations! Your Joomla site is ready.

You now have the option to customize your installation by adding another language or installing the sample data.

[Customize Installation >](#)

We detected development mode

☐ Check if you wish to delete the installation folder on completion.

 [Complete & Open Site](#)

 [Complete & Open Admin](#)

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Il nuovo Web Installer

Joomla Web Installer

Install Additional Languages

The Joomla interface is available in several languages. Choose your preferred languages by choosing the checkboxes and then install them by selecting the Next button.

Note: This operation will take about 10 seconds to download and install each language. To avoid timeouts please select no more than 3 languages to install.

Language	Language Tag	Version
☐ Afrikaans	af-ZA	3.8.12.1
☐ Albanian	sq-AL	3.1.1.2
☐ Arabic Unitag	ar-AA	3.7.5.1
☐ Armenian	hy-AM	3.4.4.1
☐ Bahasa Indonesia	id-ID	3.6.2.1
☐ Basque	eu-ES	3.7.5.1
☐ Belarusian	be-BY	3.2.1.2
☐ Bengali	bn-BD	3.8.10.1
☐ Bosnian	bs-BA	3.8.12.1
☐ Bulgarian	bg-BG	3.6.5.2
☐ Catalan	ca-ES	3.8.11.1
☐ Chinese Simplified	zh-CN	3.8.13.1
☐ Chinese Traditional	zh-TW	3.8.0.1

Il nuovo Web Installer

Joomla Web Installer

Install Sample Data

Do you want to install Sample Data?

Installing sample data is strongly recommended for beginners.
This will install sample content that is included in the Joomla installation package.

Install Sample Data ▶

Skip

Il nuovo Web Installer

Joomla Web Installer



Installation is Complete

Your Joomla installation is now complete and ready to use.

 Complete & Open Site

 Complete & Open Admin

ATUM: il nuovo template amministrativo

 Control Panel

 Content

 Menus

 Components

 Users

 System

 Help

 New Article

 Media

 Global

 Modules

 Joomla is up to date.

 Extensions are up to date.

 Overrides are up to date.

Sample Data

 Blog Sample data

Sample data which will set up a blog site.
If the site is multilingual, the data will be tagged to the active backend language.

Install

 Multilingual Sample Data

Sample data which will set up a multilingual site.
Before launching, make sure you have at least 2 languages installed with their Content Languages and that no sample data has been installed.

Install

Logged-in Users

Name	Location	Last Activity
 Super User	Administration	 2018-10-25 18:48
 Super User	Administration	 2018-10-26 11:37
 Super User	Administration	 2018-10-26 12:11

Popular Articles

Hits	Title	Date
6	 Welcome to your blog (en-GB)	 2018-10-23
4	 About your home page (en-GB)	 2018-10-23
1	 Your Template (en-GB)	 2018-10-23
0	 About (en-GB)	 2018-10-23
0	 Working on Your Site (en-GB)	 2018-10-23

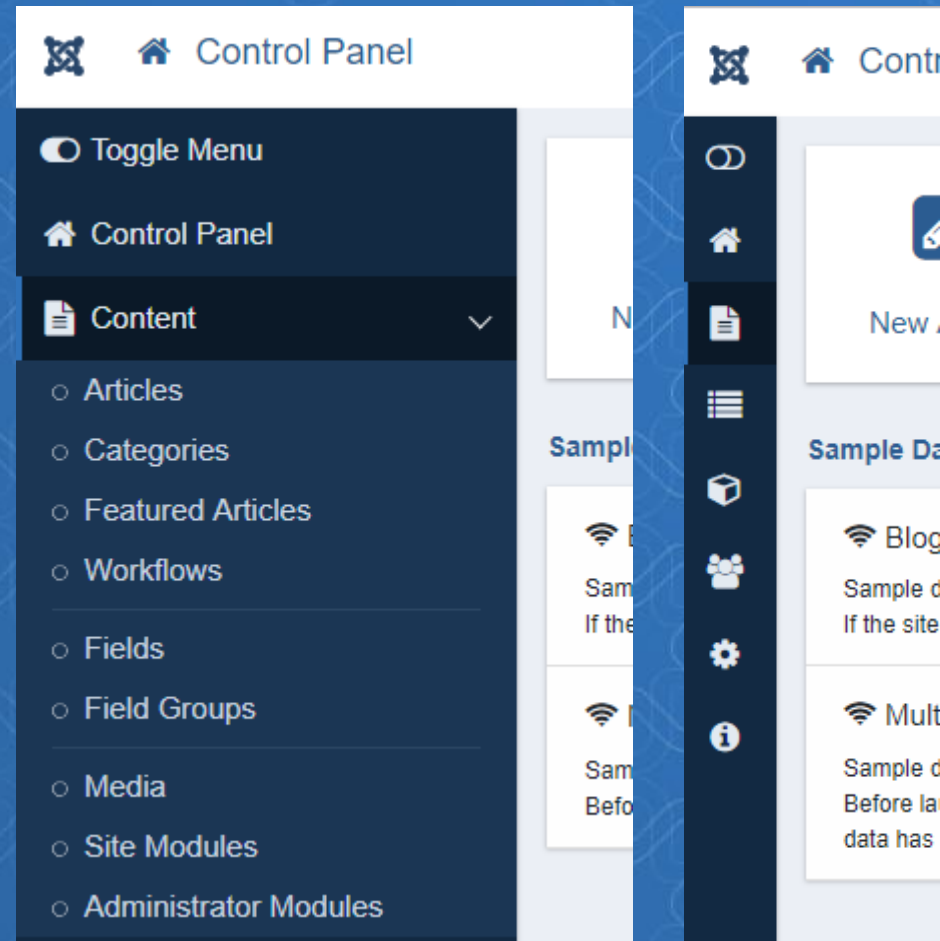
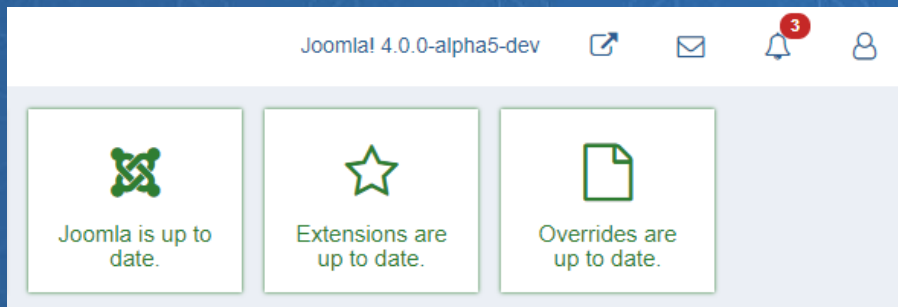
Recently Added Articles

Title	Author	Date
 About (en-GB)	Super User	 2018-10-23
 Working on Your Site (en-GB)	Super User	 2018-10-23
 Welcome to your blog (en-GB)	Super User	 2018-10-23
 About your home page (en-GB)	Super User	 2018-10-23
 Your Modules (en-GB)	Super User	 2018-10-23

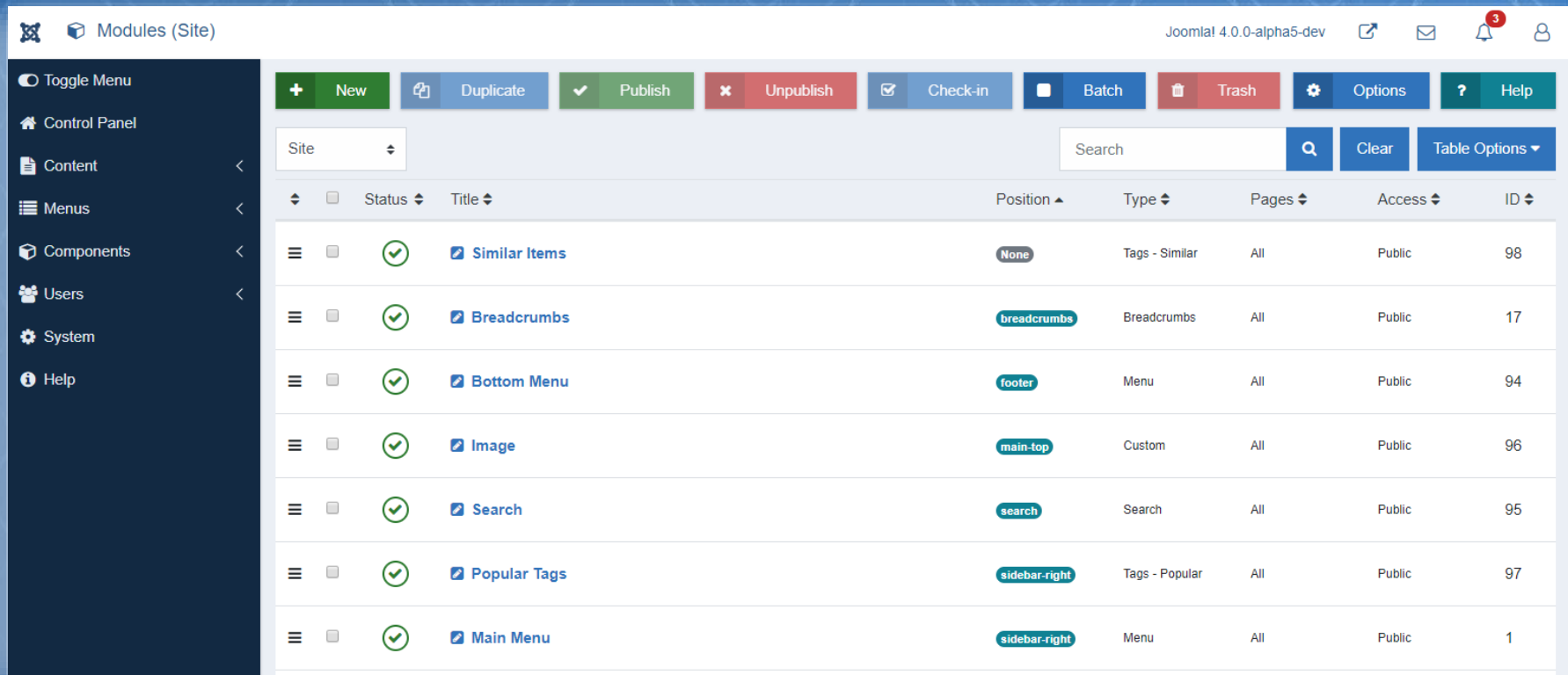


ATUM: il nuovo template amministrativo

- Bootstrap 4
- SASS
- Mobile First
- Accessibilità a11y
- Nuova UX



ATUM: il nuovo template amministrativo



The screenshot displays the Joomla! 4.0.0-alpha5-dev administrative interface. The top bar shows the Joomla! version and a notification badge with the number 3. The sidebar on the left contains navigation links: Toggle Menu, Control Panel, Content, Menus, Components, Users, System, and Help. The main content area shows a list of modules installed on the site.

	Status	Title	Position	Type	Pages	Access	ID
  		Similar Items	None	Tags - Similar	All	Public	98
  		Breadcrumbs	breadcrumbs	Breadcrumbs	All	Public	17
  		Bottom Menu	footer	Menu	All	Public	94
  		Image	main-top	Custom	All	Public	96
  		Search	search	Search	All	Public	95
  		Popular Tags	sidebar-right	Tags - Popular	All	Public	97
  		Main Menu	sidebar-right	Menu	All	Public	1

ATUM: il nuovo template amministrativo

The screenshot displays the Joomla! 4.0.0-alpha5-dev ATUM administrative interface. The top navigation bar includes the Joomla! logo, the title 'Articles', the version 'Joomla! 4.0.0-alpha5-dev', and icons for search, mail, notifications (3), and user profile. The left sidebar contains a 'Toggle Menu' button and a list of navigation items: Control Panel, Content (expanded), Articles (selected), Categories, Featured Articles, Workflows, Fields, Field Groups, Media, Site Modules, Administrator Modules, Menus, Components, and Users. The main content area features a toolbar with buttons for New, Feature, Unfeature, Check-in, Batch, and Trash, along with Options and Help buttons. A search bar and 'Table Options' dropdown are also present. Below the toolbar is a table listing articles with columns for Status, Title, Access, Author, Date Created, Hits, and ID. The table contains six entries, all with a status of 'Published' and an author of 'Super User'.

Status	Title	Access	Author	Date Created	Hits	ID
Published	Your Template Alias: your-template Category: Blog	Public	Super User	2018-10-26	0	6
Published	Your Modules Alias: your-modules Category: Blog	Public	Super User	2018-10-26	0	5
Published	About your home page Alias: about-your-home-page Category: Blog	Public	Super User	2018-10-26	0	4
Published	Welcome to your blog Alias: welcome-to-your-blog Category: Blog	Public	Super User	2018-10-26	0	3
Published	Working on Your Site Alias: working-on-your-site Category: Help	Special	Super User	2018-10-26	0	2
Published	About Alias: about Category: Help	Public	Super User	2018-10-26	0	1



ATUM: il nuovo template amministrativo

The screenshot displays the Joomla! 4.0.0-alpha5-dev administrative interface. The top navigation bar includes the Joomla! logo, the page title 'Articles: Edit', the version 'Joomla! 4.0.0-alpha5-dev', and icons for help, mail, and notifications. The left sidebar contains a 'Save' button with a dropdown menu showing 'Save & Close', 'Save & New', and 'Save as Copy'. Below this are buttons for 'Versions', 'Preview', 'New Menu Item', and 'Close'. The main content area is divided into tabs: 'Content', 'Images and Links', 'Options', 'Publishing', 'Configure Edit Screen', and 'Permissions'. The 'Content' tab is active, showing a rich text editor with a toolbar and a list of preconfigured modules. The right sidebar contains fields for 'Status' (Published), 'Category *' (Blog), 'Featured' (No), 'Access' (Public), 'Tags', and 'Version Note'. A dropdown menu for 'CMS Content' is open, showing options like 'Article', 'Contact', 'Image', 'Menu', 'Module', 'Page Break', and 'Read More'.

Articles: Edit Joomla! 4.0.0-alpha5-dev

Save Versions Preview New Menu Item Close ? Help

Save & Close
Save & New
Save as Copy

Your Modules
your-modules

Content Images and Links Options Publishing Configure Edit Screen Permissions

Edit Insert View Format Table Tools

B I U S Paragraph Tahoma 9pt

Your site has some commonly used modules already preconfigured. These include:

- Image Module which holds the image beneath the menu. This is a Custom module that you can edit to change the image.
- Most Read Posts which lists articles based on the number of times they have been read.
- Older Articles which lists out articles by month.
- Syndicate which allows your readers to read your posts in a news reader.
- Popular Tags, which will appear if you use tagging on your articles. Enter a tag in the Tags field when editing.

Each of these modules has many options which you can experiment with in the Module Manager in your site Administrator. Moving your mouse over a module will take you to an edit screen for that module. Always be sure to save and close any module you edit.

Joomla! also includes many other modules you can incorporate in your site. As you develop your site you may want to add more module that you can find at the [Directory](#).

CMS Content

- Article
- Contact
- Image
- Menu
- Module
- Page Break
- Read More

Status
Published

Category *
Blog

Featured
No

Access
Public

Tags

Version Note



ATUM: il nuovo template amministrativo

Global Configuration Joomla! 4.0.0-alpha5-dev

Save Close ? Help

System Global Configuration

Component

- Articles
- Banners
- Cache
- Check-in
- Contacts
- Content Security Policy
- Installer
- Joomla! Update
- Languages
- Media
- Menus
- Messaging
- Modules
- Multilingual Associations
- News Feeds
- Plugins
- Post-installation Messages
- Redirects
- Search
- Smart Search
- Tags
- Templates
- Users

Site Settings

Site Name * Joomla Next

Site Offline ☐ No

Mouse-over Edit Icons for Modules

Default Editor Editor - TinyMCE

Default Captcha - None Selected -

Default Access Level Public

Default List Limit 20

Default Feed Limit 10

Feed Email Address No Email

SEO Settings

Search Engine Friendly URLs ☒ Yes

Use URL Rewriting ☐ No

Add Suffix to URL ☐ No

Unicode Aliases ☐ No

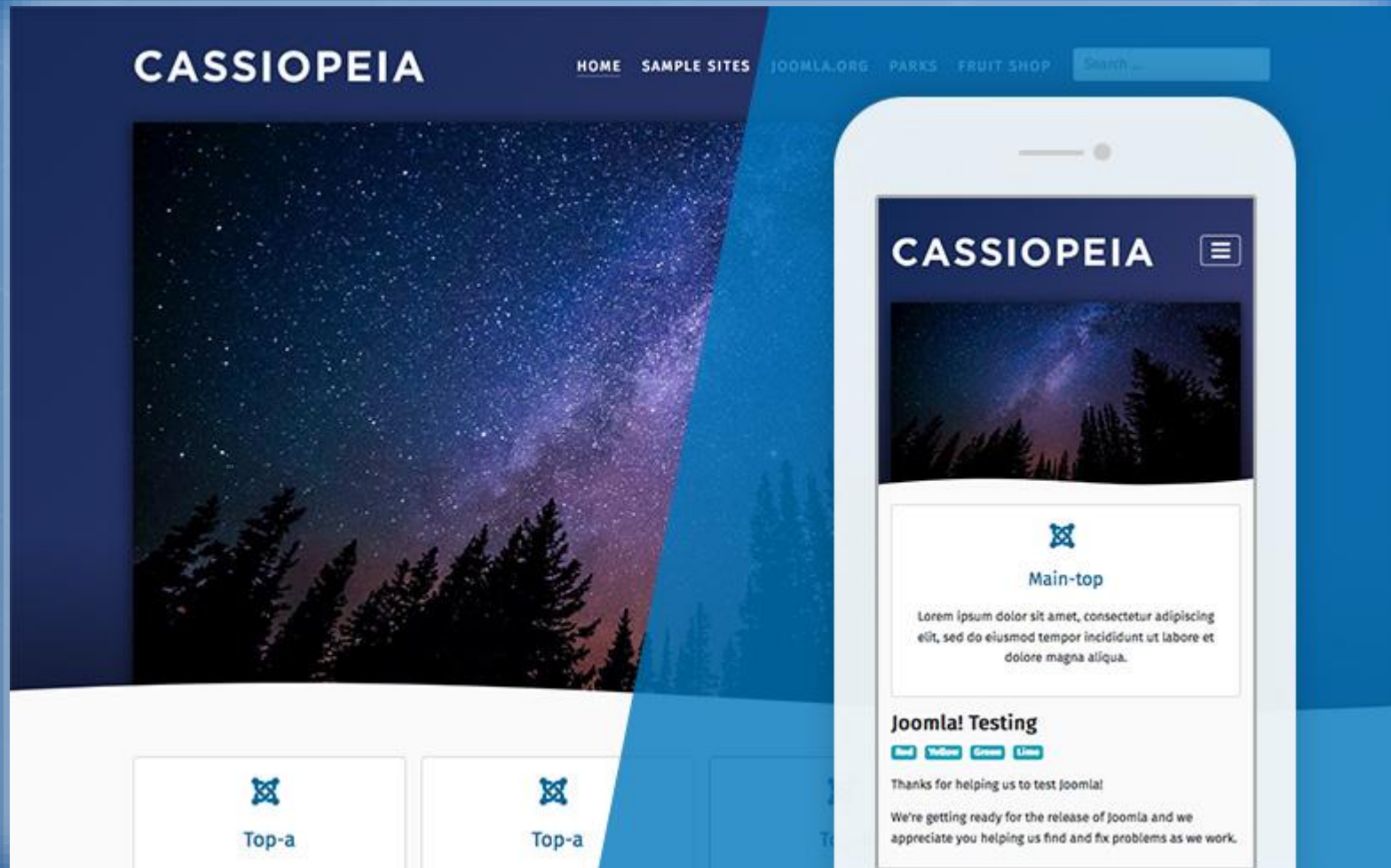
Site Name in Page Titles No

Cookie Settings

Cookie Domain

Cookie Path

CASSIOPEIA: il nuovo template «di serie»



CASSIOPEIA: il nuovo template «di serie»

- Bootstrap 4
- SASS
- Mobile First
- Accessibilità WCAG 2.0 AA
- Velocità
- SEO



Sass

Fully Loaded Time 0.9s ▲	Total Page Size 516KB ▲	Requests 20 ▲
0ms Redirect	352ms Connect	
54ms Backend	406ms TTFB	
0.7s DOM int.	0.7s (6ms) DOM loaded	
0.8s First paint	0.8s Contentful paint	
0.8s (2ms) Onload		

4.8:1

Colour Contrast

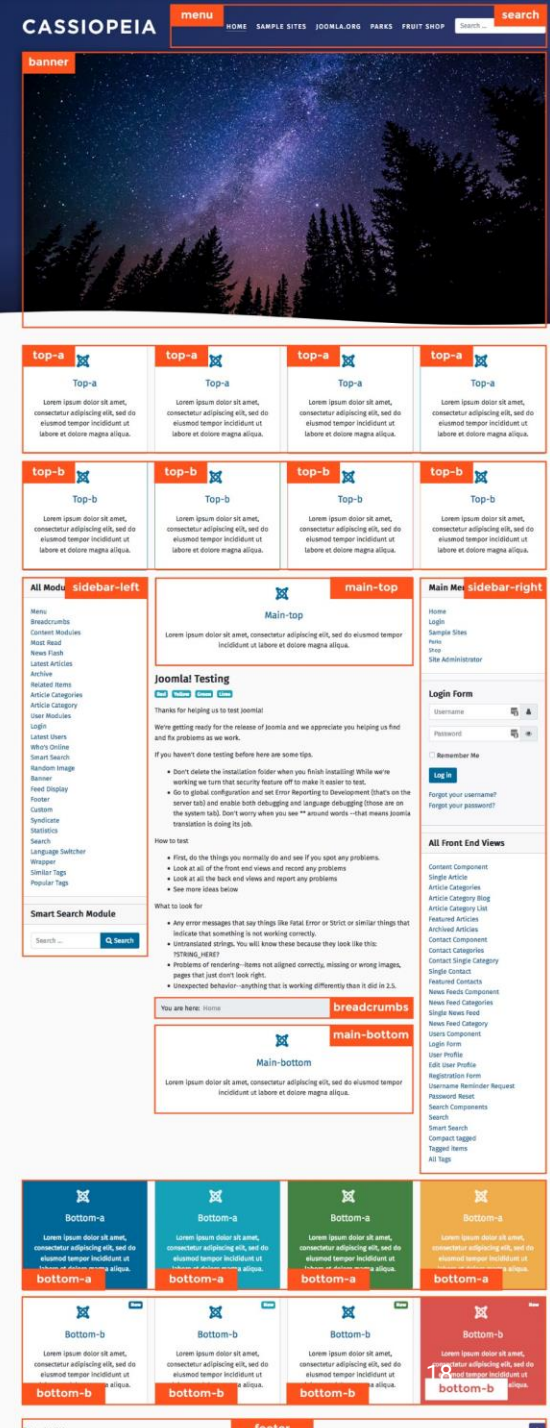
4.7:1

9.8:1

13.2:1

5.7:1

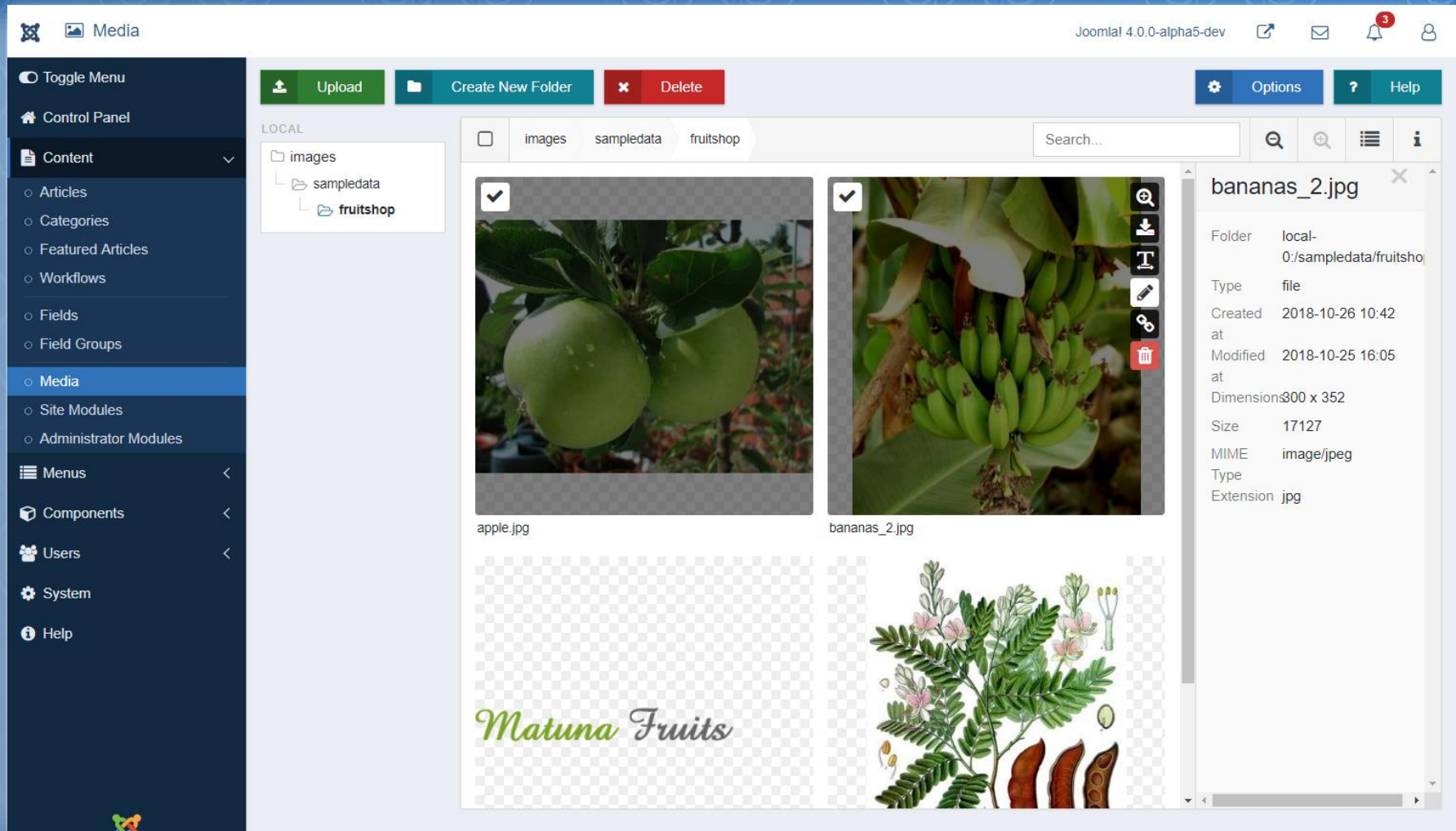
5.1:1



#JD18IT

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Nuovo MEDIA MANAGER



Nuovo MEDIA MANAGER

Toggle Menu

Control Panel

Content

Menus

Components

Users

System

Help

Save

Save & Close

Reset

Cancel

Crop

Resize

Rotate



Quality

80

X-Axis

0

px

Y-Axis

69

px

Width

193

px

Height

226

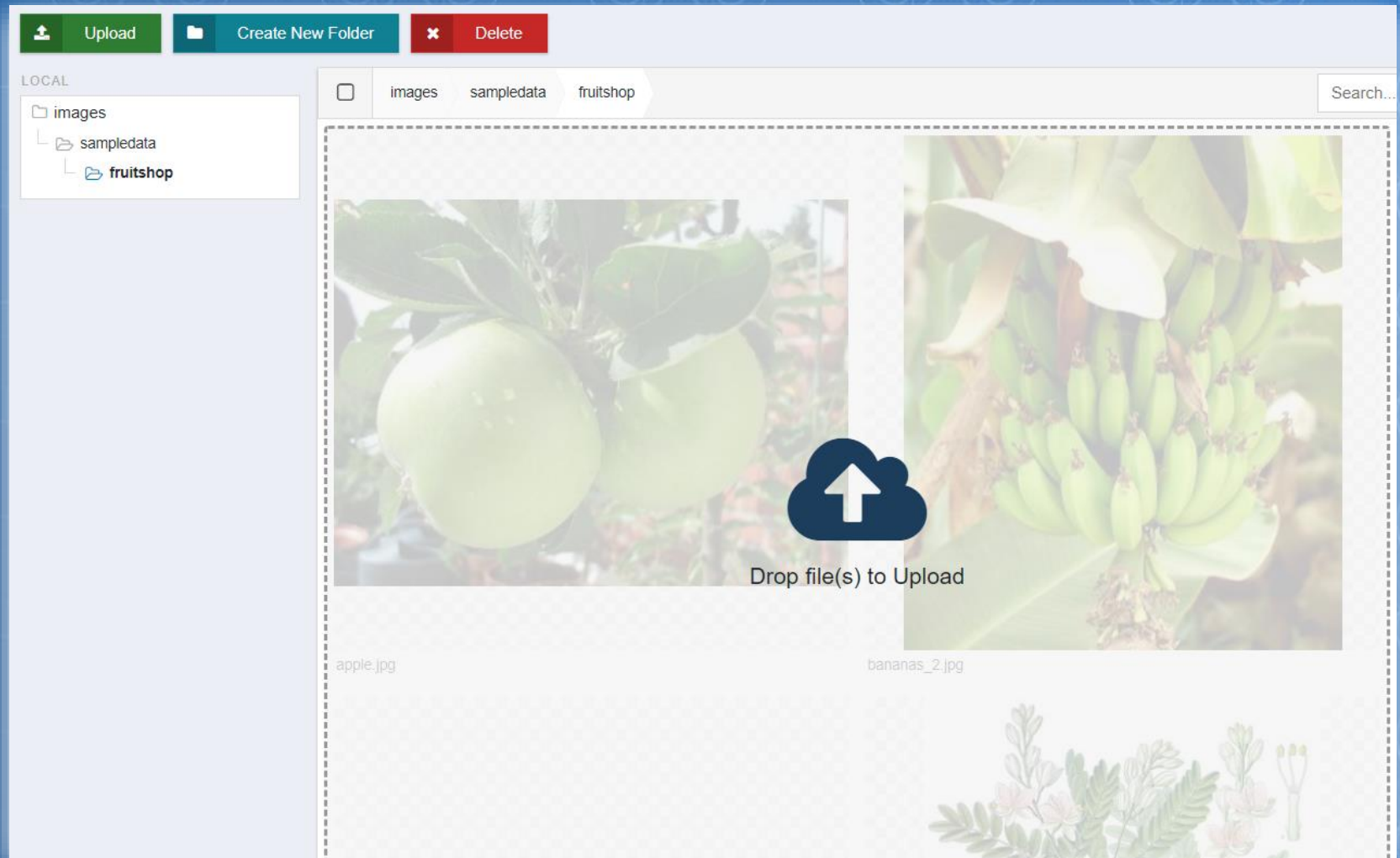
px

#JD18IT – Simone Bussoni - Quantity

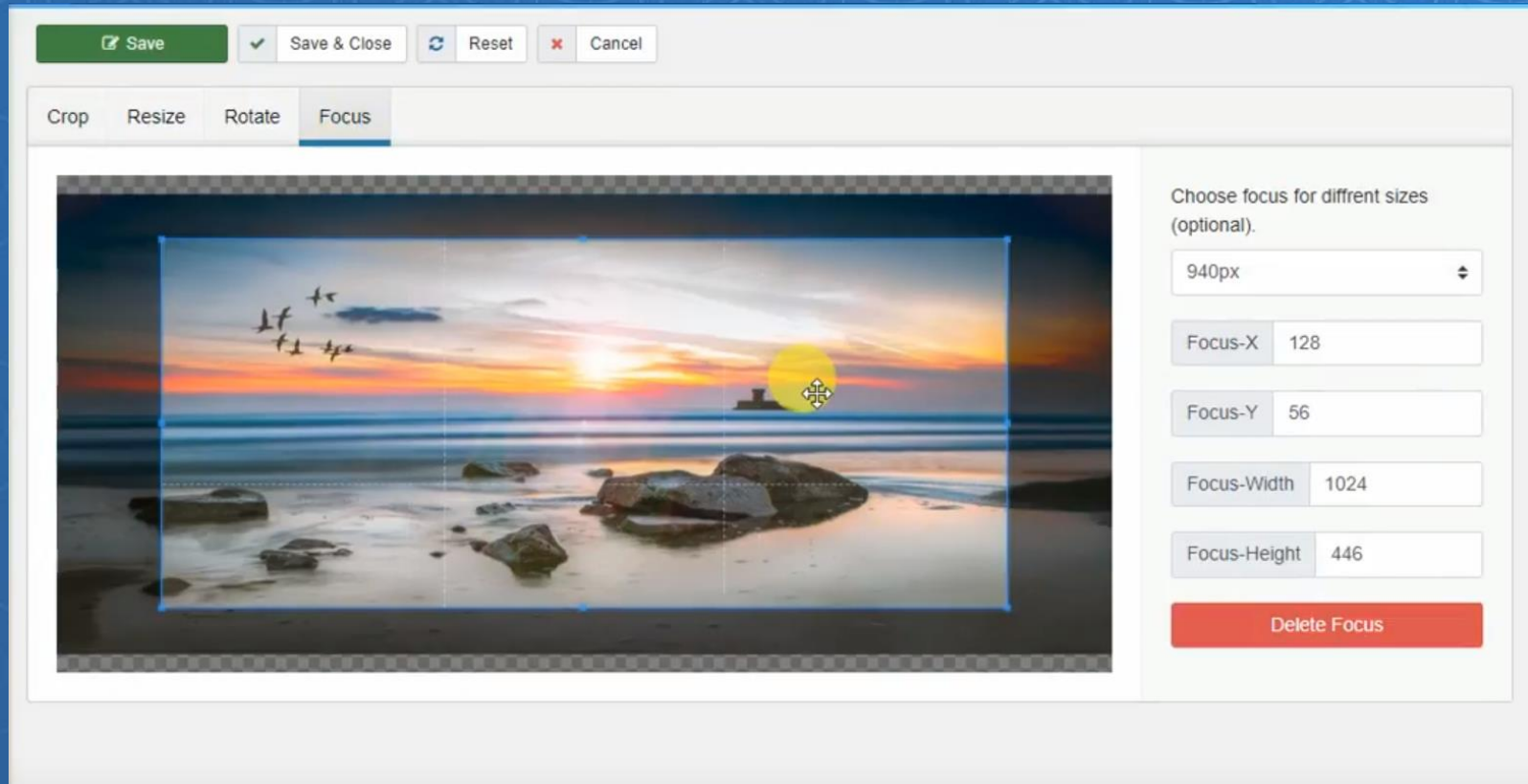
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20

Nuovo MEDIA MANAGER



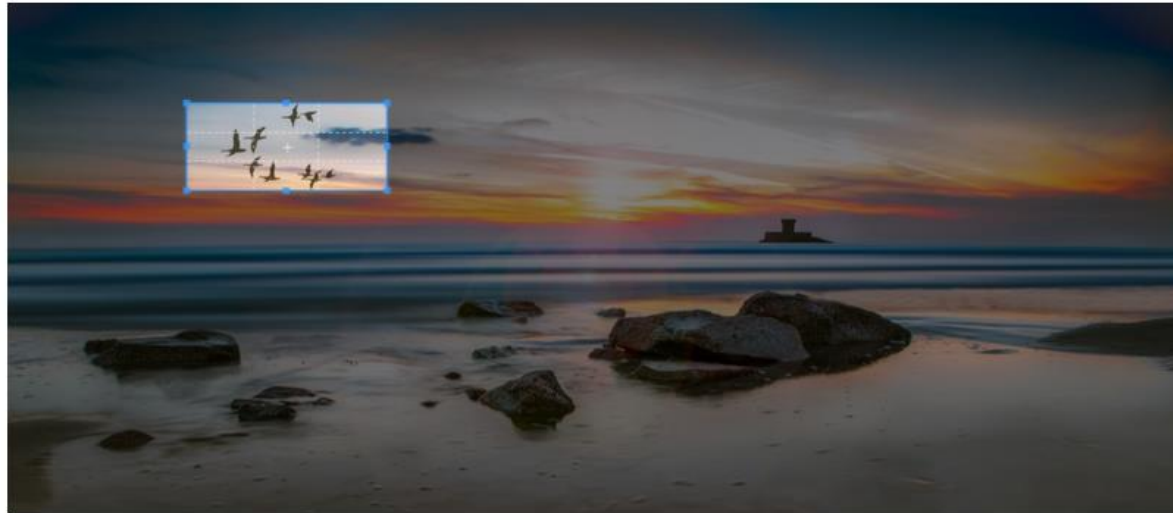
Nuovo MEDIA MANAGER – Prossimamente...



Adaptive Image FOCUS



Nuovo MEDIA MANAGER – Prossimamente...



240_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg



360_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg



480_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg



680_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg



720_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg



940_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg

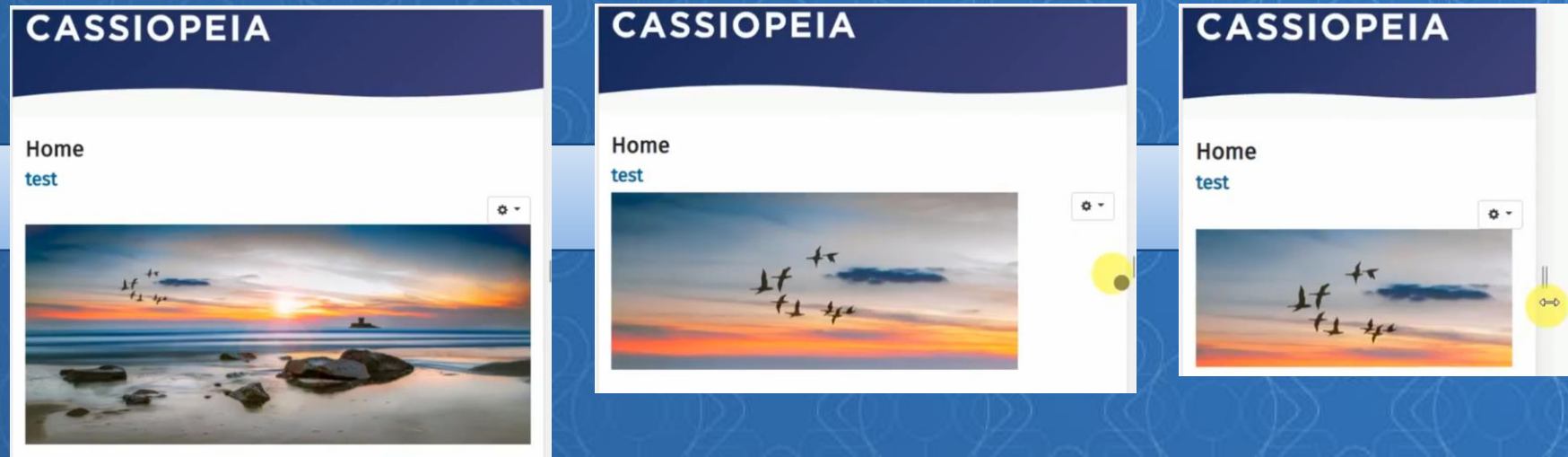


1080_L2ItYWdlcy9wZXh1bHMtcGhvdG8tNjM5MDc4.jpeg

Adaptive Image FOCUS



Nuovo MEDIA MANAGER – Prossimamente...



Adaptive Image FOCUS

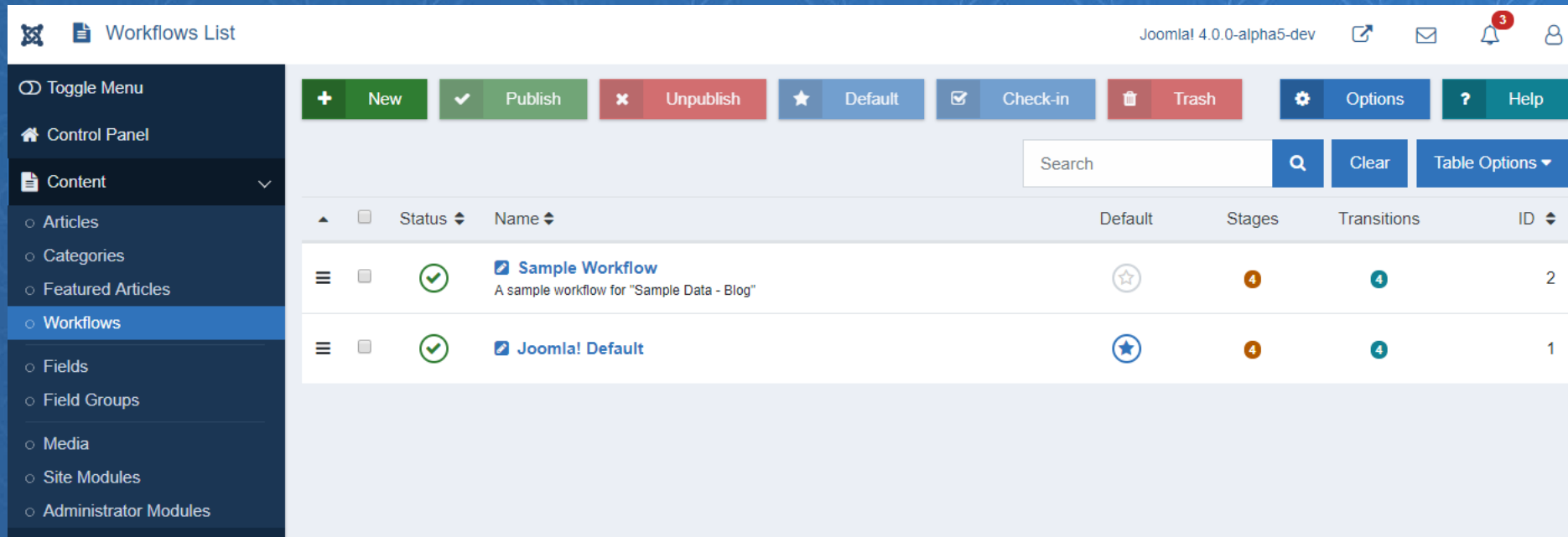


PUBLISHING WORKFLOW per gestire la pubblicazione

All'interno di un ambiente aziendale o in presenza di siti Web con più lingue è necessario un processo di approvazione prima che il contenuto possa essere pubblicato e visualizzato dal pubblico



PUBLISHING WORKFLOW per gestire la pubblicazione



The screenshot displays the Joomla! 4.0.0-alpha5-dev Workflows List interface. The sidebar menu on the left includes 'Toggle Menu', 'Control Panel', 'Content', 'Articles', 'Categories', 'Featured Articles', 'Workflows' (selected), 'Fields', 'Field Groups', 'Media', 'Site Modules', and 'Administrator Modules'. The top toolbar contains buttons for '+ New', '✓ Publish', '✗ Unpublish', '★ Default', '☑ Check-in', '🗑 Trash', '⚙ Options', and '? Help'. A search bar with 'Search', 'Q', 'Clear', and 'Table Options' is also present. The table below lists the workflows:

	▲	☐	Status	Name	Default	Stages	Transitions	ID
☰	☐	✓	Sample Workflow	A sample workflow for "Sample Data - Blog"	★	4	4	2
☰	☐	✓	Joomla! Default		★	4	4	1



PUBLISHING WORKFLOW per gestire la pubblicazione

Sample Workflow: Stages List Joomla! 4.0.0-alpha5-dev

Toggle Menu Control Panel Content Menus Components Users System Help

+ New ✓ Publish ✕ Unpublish ★ Default ☑ Check-in 🗑 Trash ? Help

Search Q Clear Table Options ▾

		Status	Default	Name	Condition of items in this stage	ID
☰	☐	✓	★	☑ Unpublished	✕ Unpublished	5
☰	☐	✓	☆	☑ Verifica SEO	✕ Unpublished	9
☰	☐	✓	☆	☑ Verifica LEGALE	✕ Unpublished	10
☰	☐	✓	☆	☑ Published	✓ Published	6
☰	☐	✓	☆	☑ Trashed	🗑 Trashed	7
☰	☐	✓	☆	☑ Archived	📁 Archived	8



PUBLISHING WORKFLOW per gestire la pubblicazione

Sample Workflow: Transitions List

Joomla! 4.0.0-alpha5-dev

Toggle Menu

Control Panel

Content

Menus

Components

Users

System

Help

+ New

✓ Publish

✗ Unpublish

🗑️ Trash

? Help

Search

Q

Clear

Table Options

	Status	Name	Current Stage	Target Stage	ID
☰	☐	✓ Unpublish	All	✗ Unpublished	5
☰	☐	✓ Check SEO	✗ Unpublished	✗ Verifica SEO	9
☰	☐	✓ Check LEGALE	✗ Verifica SEO	✗ Verifica LEGALE	10
☰	☐	✓ Publish	✗ Verifica LEGALE	✓ Published	6
☰	☐	✓ Trash	All	🗑️ Trashed	7
☰	☐	✓ Archive	All	📁 Archived	8



PUBLISHING WORKFLOW per gestire la pubblicazione

The screenshot displays the Joomla! 4.0.0-alpha5-dev article editing interface. At the top, the title bar shows 'Articles: Edit' and the Joomla! version. Below this is a toolbar with buttons for 'Save', 'Versions', 'Preview', 'New Menu Item', 'Close', and 'Help'. The main form contains fields for 'Title *' (Articolo di TEST) and 'Alias' (articolo-di-test). A tabbed interface below the form includes 'Content', 'Images and Links', 'Options', 'Publishing', 'Configure Edit Screen', and 'Permissions'. The 'Publishing' tab is active, showing a rich text editor with a toolbar (Edit, Insert, View, Format, Table, Tools) and a status panel on the right. The status panel includes a 'Status' dropdown menu with options: 'Unpublished', 'Unpublished', 'Trash [Trashed]', 'Archive [Archived]', and 'Check SEO [Unpublished]'. Below the status panel is a 'Featured' toggle switch set to 'No'.

Articles: Edit Joomla! 4.0.0-alpha5-dev

Save Versions Preview + New Menu Item x Close ? Help

Title * Articolo di TEST

Alias articolo-di-test

Content Images and Links Options Publishing Configure Edit Screen Permissions

Edit Insert View Format Table Tools

B I U [Icons] Paragraph Tahoma 9pt [Icons]

Status

Unpublished

Unpublished

Trash [Trashed]

Archive [Archived]

Check SEO [Unpublished]

Featured

No



PUBLISHING WORKFLOW per gestire la pubblicazione

The screenshot displays the Joomla! 4.0.0-alpha5-dev 'Articles: Edit' interface. At the top, the title bar includes the Joomla! logo, a pencil icon, the text 'Articles: Edit', the version 'Joomla! 4.0.0-alpha5-dev', and icons for a link, email, notifications (3), and a user profile. Below the title bar is a toolbar with buttons: 'Save' (green), 'Versions' (blue), 'Preview' (blue with eye icon), '+ New Menu Item' (blue), 'Close' (red with X icon), and a 'Help' button (teal with question mark icon). The main content area has two input fields: 'Title *' with the value 'Articolo di TEST' and 'Alias' with the value 'articolo-di-test'. Below these is a tabbed interface with tabs: 'Content' (active), 'Images and Links', 'Options', 'Publishing', 'Configure Edit Screen', and 'Permissions'. The 'Content' tab shows a rich text editor with a menu (Edit, Insert, View, Format, Table, Tools) and a toolbar with various formatting and editing icons. The right sidebar contains a 'Status' section with a dropdown menu currently showing 'Verifica SEO'. The dropdown list includes: 'Verifica SEO', 'Unpublish [Unpublished]', 'Trash [Trashed]', 'Archive [Archived]', and 'Check LEGALE [Unpublished]' (highlighted in blue). Below the dropdown is a 'Featured' section with a checkbox and the label 'No'.

PUBLISHING WORKFLOW per gestire la pubblicazione

The screenshot displays the Joomla! 4.0.0-alpha5-dev article editing interface. At the top, the title bar shows 'Articles: Edit' and the Joomla! version. Below this is a toolbar with buttons for 'Save', 'Versions', 'Preview', 'New Menu Item', 'Close', and 'Help'. The main content area has two input fields: 'Title *' with the value 'Articolo di TEST' and 'Alias' with the value 'articolo-di-test'. Below these fields are tabs for 'Content', 'Images and Links', 'Options', 'Publishing', 'Configure Edit Screen', and 'Permissions'. The 'Publishing' tab is active, showing a rich text editor with a toolbar and a 'Status' dropdown menu. The status menu is open, showing options: 'Verifica LEGALE', 'Unpublish [Unpublished]', 'Publish [Published]' (highlighted), 'Trash [Trashed]', and 'Archive [Archived]'. Below the status menu is a 'Featured' section with a checkbox and the label 'No'.

Articles: Edit Joomla! 4.0.0-alpha5-dev

Save Versions Preview + New Menu Item x Close ? Help

Title * Articolo di TEST

Alias articolo-di-test

Content Images and Links Options Publishing Configure Edit Screen Permissions

Edit Insert View Format Table Tools

B I U S H H H H Formats Paragraph Tahoma 9pt

Verifica LEGALE

Unpublish [Unpublished]

Publish [Published]

Trash [Trashed]

Archive [Archived]

Featured No

PUBLISHING WORKFLOW per gestire la pubblicazione

The screenshot displays the Joomla! 4.0.0-alpha5-dev article editing interface. At the top, the title bar shows 'Articles: Edit' and the Joomla! version. Below this is a toolbar with buttons for 'Save', 'Versions', 'Preview', 'New Menu Item', 'Close', and 'Help'. The main content area has two input fields: 'Title *' with the value 'Articolo di TEST' and 'Alias' with the value 'articolo-di-test'. Below these is a tabbed interface with 'Content', 'Images and Links', 'Options', 'Publishing', 'Configure Edit Screen', and 'Permissions'. The 'Publishing' tab is active, showing a rich text editor with a toolbar and a 'Status' dropdown menu. The status is currently set to 'Published'. Other options in the status menu include 'Unpublish [Unpublished]', 'Trash [Trashed]', and 'Archive [Archived]'. There is also a 'Featured' toggle switch set to 'No'.

Articles: Edit Joomla! 4.0.0-alpha5-dev

Save Versions Preview + New Menu Item x Close ? Help

Title * Articolo di TEST

Alias articolo-di-test

Content Images and Links Options Publishing Configure Edit Screen Permissions

Edit Insert View Format Table Tools

B I U S [List Icons] Paragraph Tahoma 9pt [List Icons]

[Rich Text Editor Icons]

Status

Published

Published

Unpublish [Unpublished]

Trash [Trashed]

Archive [Archived]

Featured

No

PUBLISHING WORKFLOW per gestire la pubblicazione

 Edit Transition

Joomla! 4.0.0-alpha5-dev    

 Save  Cancel

Name *

Description

Permissions

Manage the permission settings for the user groups below. See notes at the bottom.

	Action	Select New Setting	Calculated Setting
Public			
– Guest			
– Manager			
⋮ – Administrator			
– Registered			
⋮ – Author			
⋮ ⋮ – Editor			
⋮ ⋮ ⋮ – Publisher			
– Super Users			

	Action	Select New Setting	Calculated Setting
	Execute transition	Denied 	 Not Allowed

OVERRIDE MANAGER



**KEEP
CALM
AND
OVERRIDE
JOOMLA!**



OVERRIDE MANAGER

Templates: Customise (Cassiopeia) Joomla! 4.0.0-alpha5-dev

Save Copy Template Template Preview Manage Folders New File Rename File Delete File Close File Help

Editor Create Overrides Template Description Updated Files

Editing file "/html/mod_search/default.php" in template "cassiopeia".

css
html
 mod_search
 default.php
 modules.php
images
js
language
scss
component.php
error.php
index.php
offline.php
templateDetails.xml
template_preview.png
template_thumbnail.png

Overridden file (editable)

```
1 k?php
2 /**
3  * @package Joomla.Site
4  * @subpackage mod_search
5  *
6  * @copyright Copyright (C) 2005 - 2018 Open Source Matters, Inc. All rights reserved.
7  * @license GNU General Public License version 2 or later; see LICENSE.txt
8  */
9
10 defined('_JEXEC') or die;
11
12 use Joomla\CMS\Router\Route;
13
14 ?>
15 <div class="mod-search search newclass">
16 <form action="<?php echo Route::_('index.php'); ?>" method="post">
17 <?php
18 $input = '<input name="searchword" id="mod-search-searchword" . $module->id . " class="form-control" type="search" placeholder=" . $text
19 . ">";
20 $output = '';
```

Hide Original Hide Diff



OVERRIDE MANAGER

 Templates: Customise (Cassiopeia) Joomla! 4.0.0-alpha5-dev    

 Save

 Copy Template

 Template Preview

 Manage Folders

 New File

 Rename File

 Delete File

 Close File

 Help

Editor

Create Overrides

Template Description

Updated Files

Editing file "/html/mod_search/default.php" in template "cassiopeia".

☒ Show Original ☐ Hide Diff

css

html

mod_search

default.php

modules.php

images

js

language

scss

component.php

error.php

index.php

offline.php

templateDetails.xml

template_preview.png

template_thumbnail.png

Override file (editable)

```
1 <?php
2 /**
3  * @package Joomla.Site
4  * @subpackage mod_search
5  *
6  * @copyright Copyright (C) 2005 - 2018 Open Source Matters, Inc.
7  * All rights reserved.
8  * @license GNU General Public License version 2 or later; see
9  * LICENSE.txt
10 */
11
12 defined('_JEXEC') or die;
13
14 use Joomla\CMS\Router\Route;
15
16 <div class="mod-search search newclass">
17 <form action="<?php echo Route::_('index.php'); ?>"
18 method="post">
```

Original file (readonly)

```
1 <?php
2 /**
3  * @package Joomla.Site
4  * @subpackage mod_search
5  *
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15
16 <div class="mod-search search">
17 <form action="<?php echo Route::_('index.php'); ?>"
18 method="post">
```



OVERRIDE MANAGER

Save

Copy Template

Template Preview

Manage Folders

New File

Rename File

Delete File

Close File

Help

Editor

Create Overrides

Template Description

Updated Files

Editing file "/html/mod_search/default.php" in template "cassiopeia".

css

html

mod_search

default.php

modules.php

images

js

language

scss

component.php

error.php

index.php

offline.php

templateDetails.xml

template_preview.png

template_thumbnail.png

Overridden file (editable)

```
1 <?php
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8  * @license       GNU General Public License version 2 or later; see
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11
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15
16 <div class="mod-search search newclass">
17   <form action="<?php echo Route::_('index.php'); ?>"
18     method="post">
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Original file (readonly)

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10 */
11
12 defined('_JEXEC') or die;
13
14 use Joomla\CMS\Router\Route;
15
16 <div class="mod-search search">
17   <form action="<?php echo Route::_('index.php'); ?>"
18     method="post">
```

Diff between original and overridden file

```
?>
<div class="mod-search search">
<div class="mod-search search newclass">
    <form action="<?php echo Route::_('index.php'); ?>" method="post">
        <?php
            $input = '<input name="searchword" id="mod-search-searchword" . $module->id . ' class="form-control" type="search"
placeholder="" . $text . ' ">';
            $output = '';

            if ($button) :
                if ($imagebutton) :
                    $btn_output = '<input type="image" alt="" . $button_text . ' class="btn btn-primary" src="" . $img . '
onclick="this.form.searchword.focus();" ">';
```



OVERRIDE MANAGER

Overridden file (editable)

```
15 <div class="mod-search search newclass">
16 <form action="<?php echo Route::_('index.php'); ?>"
  method="post">
17 <?php
18 $input = '<input name="searchword" id="mod-search-
  searchword' . $module->id . '" class="form-control" type="search"
  placeholder="" . $text . "'>';
19 $output = '';
20 $output .= '<div> new div! </div>';
21
22 if ($button) :
23     if ($imagebutton) :
24         $btn_output = '<input type="image" alt="" .
  $button_text . '" class="btn btn-primary" src="" . $img . "'
  onclick="this.form.searchword.focus();">';
25     else :
26         $btn_output = '<button class="btn btn-primary"
  onclick="this.form.searchword.focus();">' . $button_text .
  '</button>';
27     endif;
```

Original file (readonly)

```
18 $input = '<input name="searchword" id="mod-search-
  searchword' . $module->id . '" class="form-control" type="search"
  placeholder="" . $text . "'>';
19 $output = '';
20
21 if ($button) :
22     if ($imagebutton) :
23         $btn_output = '<input type="image" alt="" .
  $button_text . '" class="btn btn-primary" src="" . $img . "'
  onclick="this.form.searchword.focus();">';
24     else :
25         $btn_output = '<button class="btn btn-primary"
  onclick="this.form.searchword.focus();">' . $button_text .
  '</button>';
26     endif;
27
28 $output .= '<div class="input-group">';
29 $output .= $input;
30 $output .= '<span class="input-group-append">';
31 $output .= $btn_output;
```

Diff between original and overridden file

```
<div class="mod-search search">
<div class="mod-search search newclass">
    <form action="<?php echo Route::_('index.php'); ?>" method="post">
        <?php
            $input = '<input name="searchword" id="mod-search-searchword' . $module->id . '" class="form-control" type="search"
placeholder="" . $text . "'>';
            $output = '';
            $output .= '<div> new div! </div>';

            if ($button) :
                if ($imagebutton) :
                    $btn_output = '<input type="image" alt="" . $button_text . '" class="btn btn-primary" src="" . $img . "'
onclick="this.form.searchword.focus();">';
                else :
```



OVERRIDE MANAGER

update

 Check for Updates

Joomla Version Update Status

Your site has been updated. Your Joomla version is now 4.0.0-alpha5-dev.

Notice 

Overridden file has changed.

Joomla! 4.0.0-alpha5-dev    


Modules


Joomla is up to date.


Extensions are up to date.


1 Override(s) to check.

 **Logged-in Users** 



Name	Location	Last Activity
 Super User	Administration	 2018-10-26 11:04

OVERRIDE MANAGER

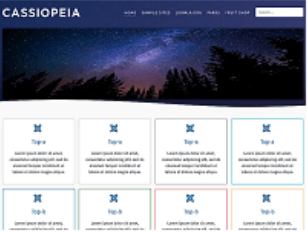
Site

Search

Q

Clear

Table Options

Image	Template	Version	Date	Author	Override files
 Cassiopeia Details and Files No preview available. You can enable preview in the options.		1.0	30/02/2017	Charlie Lodder / Ciarán Walsh admin@joomla.org	Change found

Templates: Customise (Cassiopeia)

Joomla! 4.0.0-alpha5-dev

3

Copy Template

Template Preview

Manage Folders

New File

Delete List Entry

Close

?

Help

Editor

Create Overrides

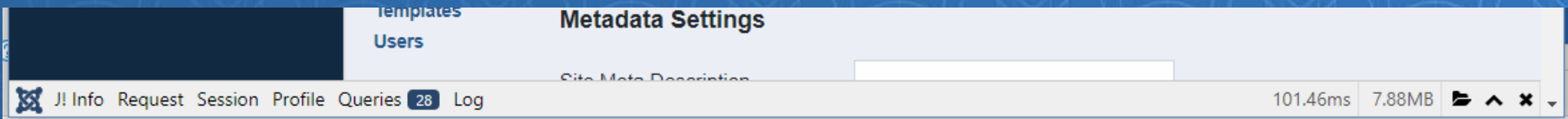
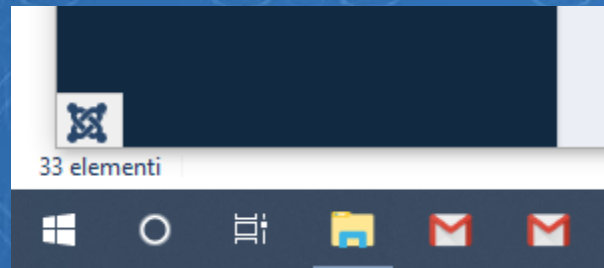
Template Description

Updated Files

	Checked	Template File	Added to the list	Last change via Update	Update Action
☐	☒	/html/mod_search/default.php	2018-10-26 22:03:55	2018-10-26 22:03:55	Joomla Update



Nuova DEBUG Bar



J! Info

Request

Session

Profile

Queries 28

Log

101.46ms

7.88MB

Joomla! Version

4.0.0-alpha5-dev

PHP Version

7.2.11

Identity

user

Response

200

Template

atum

Database

Server

mysql

Version

5.5.5-10.1.36-MariaDB

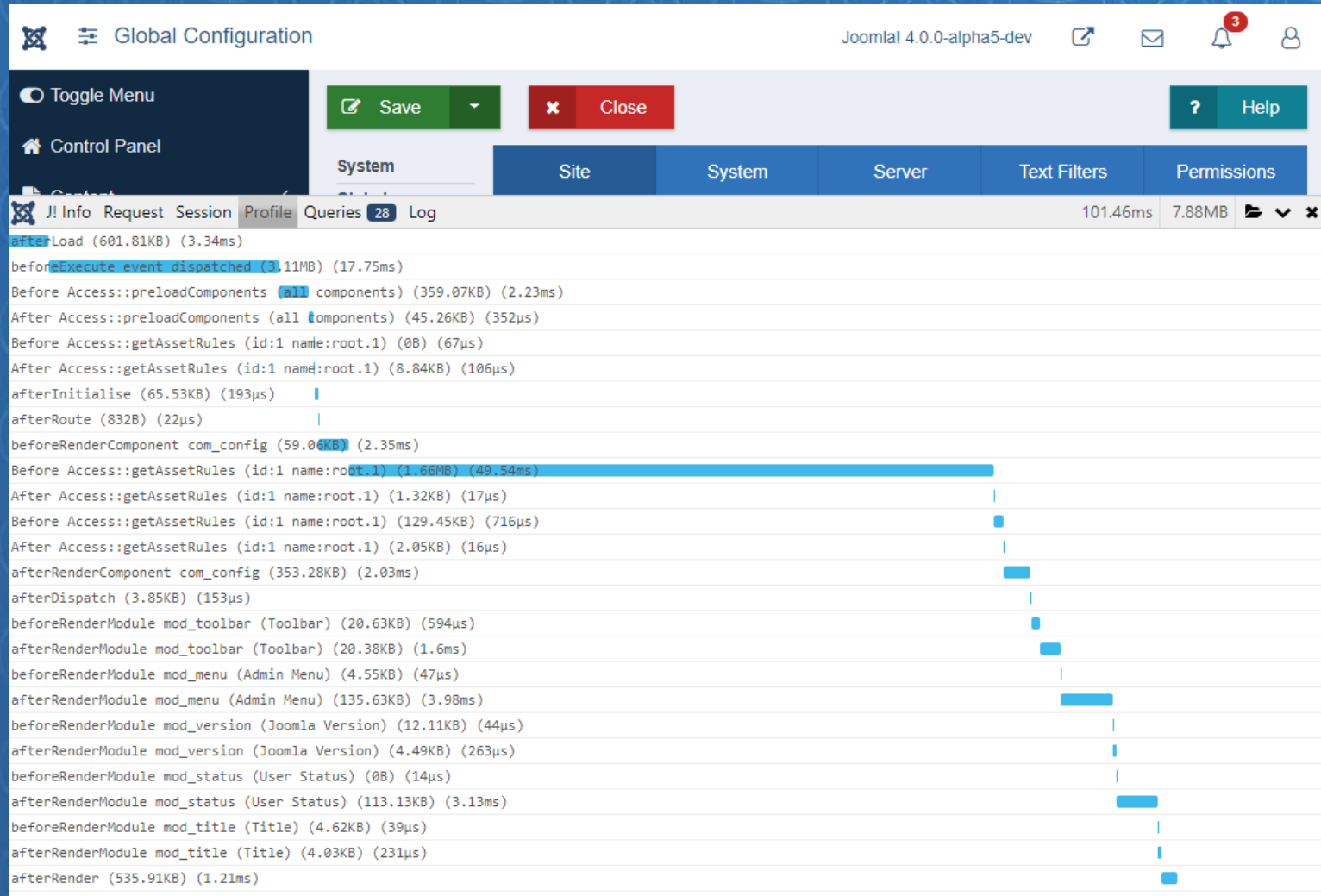
Collation

utf8_general_ci

Conn Collation

utf8_general_ci

Nuova DEBUG Bar



Google Summer of Code 2018

#joomla #gsoc

Wang Yuchao

Joomla! GSoC 2018
Automatic Multilingual
Association



Make it happen! community.joomla.org



Joomla!

#joomla #gsoc

Samarth Sharma

Joomla! GSoC 2018
System Testing for
Joomla 4



Make it happen! community.joomla.org



Joomla!

#joomla #gsoc

Geetanshu Mathur

Joomla! GSoC 2018
Adaptive Images
Media Manager



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Joomla!

#joomla #gsoc

Alexandra Ciobica

Joomla! GSoC 2018
Enhance
User Component



Make it happen! community.joomla.org



Joomla!

Flavius Andrei Isac

Joomla! GSoC 2018
Webservices



Joomla!



#joomla #gsoc
Make it Happen!
community.joomla.org

#joomla #gsoc

Anurag Kumar

Joomla! GSoC 2018
Improve Override
Management



Make it happen! community.joomla.org



Joomla!

#joomla #gsoc

Olatunbosun Egberinde

Joomla! GSoC 2018
CLI Update Project



Make it happen! community.joomla.org



Joomla!



WIP – GSoC18: Automatic Multilingual Association



The screenshot displays the Joomla! administrator interface with a modal window titled "Create Missing Associations". The modal window has a table with columns: Status, Language, Parameters, and Title. The table contains two entries:

Status	Language	Parameters	Title
☒	fr-FR	French Article	
☒	de-DE	Category: German Article	Article 1 [de-DE] Alias: article-1-de-de

Below the table, there are two buttons: "Close" and "Create".

- Possibilità di scegliere la lingua di Fallback
- Installazione di nuove lingue di contenuto: menu, categoria e articolo creati in automatico!
- Associazione di lingua per Moduli e Tags!

WIP – GSoC18: Enhance User Component

Christian Joe

List view:

Account Details	Assigned User Groups	Basic Settings	Form	Fields
Contact Form			Use Global Hide ✓ Show	
Send Copy to Submitter			Use Global	
Banned Email				
Email addresses not allowed to submit contact form. Separate multiple email addresses with a semicolon.				
Banned Subject				
Subjects not allowed in contact form. Separate multiple subjects with a semicolon.				
Banned Text				

Mimi Nedelea

Phone no:

Motto: "If you believe, you can achieve it!"

About me: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Alexandra Marin

Phone no: +40723456780

Motto: "Only today matters"

About me: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Octavian Goga

Phone no: +304562345

Motto: "If you believe, you can achieve it!"

About me: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Details view:

Alexandra Marin



Phone no: +40723456780

Motto: "Only today matters"

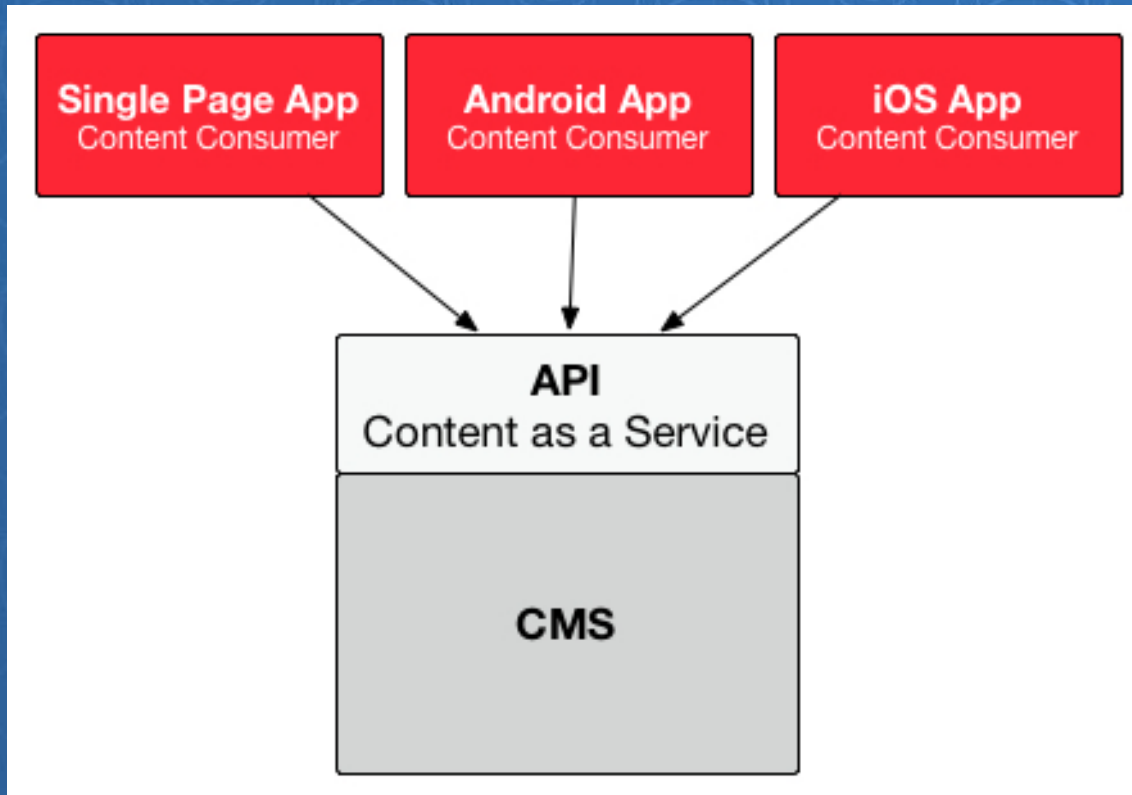
alexam@gmail.com

About me: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



Un frontend per gli
utenti!
Ottimo per i blog e i
portali

WIP – GSoC18: Joomla! Webservices



Example HTTP 200 Response

```
HTTP/1.1 200 OK
Content-Type: application/vnd.api+json

{
  "data": [{
    "type": "articles",
    "id": "1",
    "attributes": {
      "title": "JSON API paints my bikeshed!",
      "body": "The shortest article. Ever.",
      "created": "2015-05-22T14:56:29.000Z",
      "updated": "2015-05-22T14:56:28.000Z"
    },
    "relationships": {
      "author": {
        "data": {"id": "42", "type": "people"}
      }
    }
  }],
  "included": [
    {
      "type": "people",
      "id": "42",
      "attributes": {
        "name": "John",
        "age": 80,
        "gender": "male"
      }
    }
  ]
}
```


E qualche buona news per i DEVELOPER?



Performance



Accessibility



Best Practices



SEO

Score scale: ■ 0-44 ■ 45-74 ■ 75-100

Performance



⌚ Metrics

First Contentful Paint	1.570 ms ✓	First Meaningful Paint	1.570 ms ✓
Speed Index	1.590 ms ✓	First CPU Idle	1.570 ms ✓
Time to Interactive	1.570 ms ✓	Estimated Input Latency	16 ms ✓



E qualche buona news per i DEVELOPER?

1. Extension services
2. Prepared statements
3. Custom UI elements
4. MVC Migliorato
5. Rimozione di jQuery dal core
6. Codice PHP con Namespacing
7. Event dispatching system migliorato
8. Rimozione di tutto il codice deprecato in J3.x
9. Prestazioni & sicurezza!!!!



https://docs.joomla.org/Potential_backward_compatibility_issues_in_Joomla_4

E qualche buona news per i DEVELOPER?

```
$query->select('*')
->from('#__categories')
->where('extension = ?')
->where('parent_id = ?')
->bind(1, $extensionName)
->bind(2, $extensionId,
\Joomla\Database\ParameterType::INTEGER);
$db->setQuery($query);
$results = $db->loadObjectList();
```

Prepared Statement

Custom UI Elements via API

```
HTMLHelper::_('webcomponent', 'vendor/joomla-custom-elements/joomla-tab.min.js',
['relative' => true, 'version' => 'auto']);
```



Details

Link Type

Page Display

Menu Item Type *

<div>

<joomla-tab id="myTab" recall orientation="horizontal" view="tabs"> == \$0

<ul role="tablist">

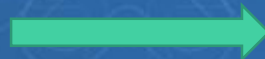
<li role="presentation">...

<li role="presentation">

<a role="tab" aria-controls="attrib-menu-options" aria-selected="false

Classi namespaced e auto-loader

```
jimport('joomla.filesystem.file');
JFile::exists($file);
```



```
\Joomla\CMS\Filesystem\File::exists($file);
```

Che ne pensate della
nuova versione di Joomla?

Chi saranno i futuri «utenti»
del nuovo Joomla?



QUANTITY

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Bussoni*

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