



1 Preface to Joomla:

Joomla is open-source software (definition: http://de.wikipedia.org/wiki/Open_Source). Many developers work on open-source projects like Joomla. Often, they are the best of the best. Open-source software is free.

Joomla is a very widely used content management system. It allows users to realize all kinds of online presence concepts, from personal blogs to complex corporate websites. A vast number of extensions and a powerful API (Application **Programming Interface**) offer unprecedented flexibility.

Joomla is developed by a large community of developers and designers worldwide. Thousands of multilingual extensions and graphical user interfaces are available, offering users countless variations and possibilities.

Joomla is a complex yet easy-to-use system for creating and maintaining internet, intranet, and extranet applications. Even the basic version of Joomla offers numerous functionalities. It is primarily a content management system that allows one or more authors to easily publish texts and media online.

The Joomla content management system is entirely database-driven, enabling the creation of dynamic websites using a MySQL database where all text is stored. The strict separation of layout/design (templates) from functional source code and media is one of Joomla's defining characteristics. Easily customizable template technology and thousands of mostly free templates allow for highly flexible layout adjustments. The [MVC development principle](#) offers unprecedented design possibilities without requiring modifications to the core system.

Joomla can be extended with a vast number of extensions (components, modules, and plugins), thus expanding its functionality almost infinitely. You can find the Joomla base here: <http://www.joomla.org/>

One of the sources for extensions can be found at: <http://extensions.joomla.org/>

Schema.org vs. Rich Snippets:

Did you know that Joomla 6 has just made a huge leap forward in SEO? With its release on October 17, 2023, they integrated Schema directly into their core plugins. This isn't just a minor optimization, but a comprehensive strategy to boost your website's visibility



and SEO capabilities. You'll find detailed instructions in the chapter "**Schema Org: Rich Snippets in Joomla 6**".

1.1 An up-to-date Joomla version is important:

Most web hosting providers (hosts) want to avoid running older software scripts (Joomla! is a script, and all third-party extensions are scripts) for security reasons, as the risk of malware compromise increases with the age of the software. Hosts need to update their servers to maintain security, and outdated scripts are a major obstacle.

Migrating from one Joomla 6 to another is often quite complex. [We offer migrations to Joomla 6.x as a service](#).

2 Always an up-to-date manual:

The Joomla CMS is continuously expanded and improved. More than 80 million users are a guarantee of quality. Throughout this manual, we will always refer to Joomla, regardless of which version 5 is currently in use. New features in future version 5 will be promptly incorporated into our e-books. You can download the latest version of the manual free of charge as often as you like, without time limit.

2.1 What you can expect to find in this manual:

This manual guides you step-by-step through the installation and configuration of Joomla and various extensions. The first focus is on setting up a demo environment, which we describe in detail. You can configure this either locally on your computer or directly with your hosting provider.

This ebook also contains detailed instructions on how to transfer a Joomla installation from a local demo environment to your domain. However you choose to get started, this manual will be an essential guide, showing you the right path. This guarantees quick success.

To help you design your websites to the highest standard and implement them according to SEO (search engine optimization) standards, you will find a dedicated chapter in this manual. If you are a beginner, meaning you have no prior experience in creating a website, we recommend reading this chapter first. This can save you a lot of work and time later on.



2.2 Our manuals are always up-to-date:



A major advantage for you as a buyer of our manuals is that they are exclusively produced in e-book format. This allows us to react quickly to new developments. Important changes and enhancements to Joomla and its key add-ons are promptly incorporated into the manuals. You can always find the latest version in your customer account.

Our Joomla ebooks are available in the following formats: PDF, Mobi, and ePub. This means these manuals can be read on all computers, laptops, tablet PCs, and ebook readers.

Our newsletter service automatically informs you about new ebooks and tools. Further information and updates can be found in the **News section** of our website.

Should you encounter any problems that you cannot or do not wish to resolve yourself, we are happy to assist you. You can find further information on our website in the [Support and Service category](#).

2.3 Why this manual is different:

This practical guide tells you everything you need to know about installation and configuration. For example, we'll show you how to save hours of time when installing the Joomla base with your hosting provider.

Furthermore, you will find many practical tips and tricks here, and we list all the sources for the many free modules and extensions.

There are already many extensions available for Joomla 6.x, and more are added daily. This documentation will introduce some of the free and paid extensions that should be included in every Joomla installation and describe how to configure them.

This practical guide is **not** a dry, comprehensive list of Joomla's countless features. The first part of this documentation will equip you with a foundation of knowledge about Joomla, enabling you to use this tool creatively for yourself and others. You will acquire this knowledge by following the examples provided. These examples are drawn directly from real-world experience and are therefore guaranteed to be tried and tested.

Furthermore, this e-book will serve as a reference work for you in the future, should you have any questions or problems. Thanks to the search algorithms integrated into an e-



book, you will find answers to your questions in a fraction of the time compared to searching a printed manual.

Using practical examples, this manual guides you step-by-step through setting up a basic Joomla installation, the fundamental requirement for any website, regardless of its intended function. From this foundation, any further website solution can then be built.

In the second part of this practical guide, we will introduce you to some of the possible applications of Joomla. We dedicate a separate chapter in this e-book to the individual design of articles, in which we also discuss layout and positioning in detail using the crucial Bootstrap technique.

The third part provides tips, demonstrates specific configurations, and addresses potential problems. It also includes a list of essential additional tools and their descriptions.

2.4 New and important information about Joomla and tools:

We constantly update this e-book by gathering information on new and interesting tools, problems and their solutions, Joomla and tool updates, and by presenting important extensions in detail. Publication in our manuals occurs once we have compiled a certain amount of information. Therefore, we publish important news and information in our news section and in the EBW Joomla Club.

2.5 Support:



You can find all the details about our support services on our website in the [Support and Service category](#).

2.6 Joomla pre-configured software packages:

This manual is also available in conjunction with [a pre-configured software package](#). This package is complete, whether you want to build a standard website or a communication platform. It includes many useful extensions, and you have access to all the tools and documentation of our EBW Joomla Club.

The package comes fully pre-installed, optimized for mobile devices and with enhanced security (firewall). You can easily configure it further in any way you wish. It also includes



five modern templates that you can customize to your own needs.

All extensions in our software packages are GPL-licensed, even the so-called "**commercial**" versions, which would be chargeable if purchased individually. Our packages, consisting of a manual and a pre-configured Joomla installation with the respective extension, save you not only a significant amount of time but also money, as essential additional tools are already included.



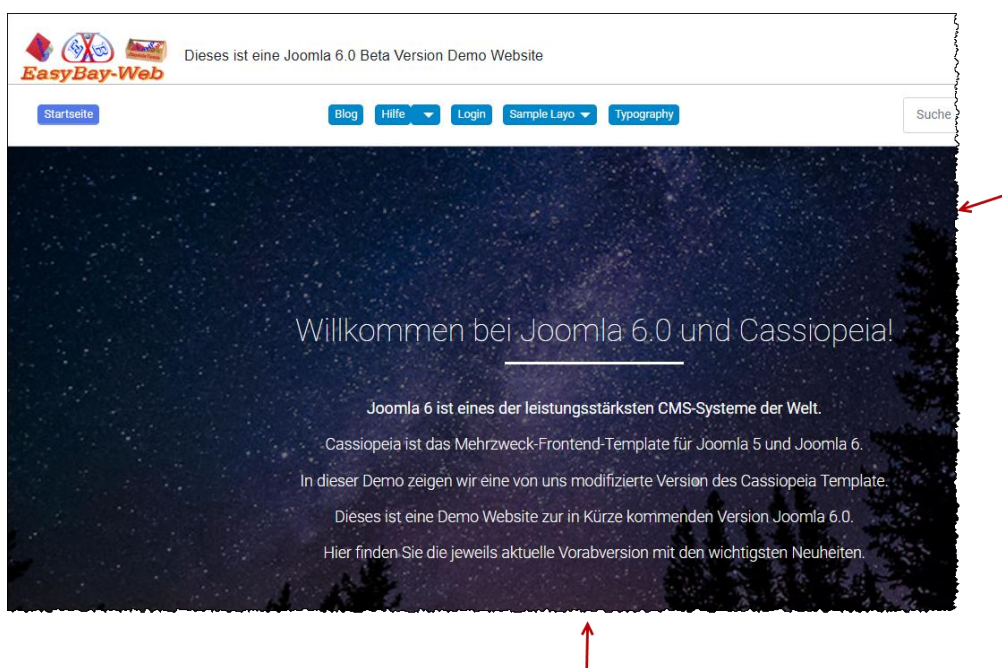
You can find all the details on our website in the category [Joomla manuals including software](#).

If you purchased this manual without the software package, you can easily order it from us separately. When you purchase the pre-configured software package, the price of the manual you already bought will be credited towards the purchase price. In the "**Software Package Voucher**" *section*, you will find a voucher code that allows you to purchase the package at a reduced price.

2.7 Layout and presentation guidelines for this manual:

Many of our explanations are vividly illustrated by images and excerpts from the website or the respective configuration. For space reasons, these are usually only partial sections, i.e., image excerpts. You can recognize these by the fact that these graphic parts are either framed in red, or the image excerpts are marked by a jagged edge (representing a torn edge) in the area where they are cut off.

Example of an image section (showing torn edges):



Example of an image section (shown with a red border):



Important text passages or headings for graphics and images are marked with a blue



color and highlighted using the ***bold font options*** .



This logo marks important text passages that you should definitely pay attention to.



This symbol indicates particularly interesting information and things.

Important new features and improvements in Joomla 6:

Performance:

- Joomla 6 further cleans up the codebase: outdated classes and methods have been removed, making the system leaner and faster.
- Improved architecture results in less overhead and more efficient processes in the backend and frontend.
- The new "Healthchecker" helps to identify performance problems early (e.g. outdated extensions, faulty configurations).
- General goal: improved speed, stability and resource utilization – even on larger websites.

Migration:

- Joomla 6 includes a new migration tool/compatibility plugin designed to significantly simplify the transition to Joomla 6.
- This process is therefore less complex than previous major upgrades (e.g. 3 → 4).
- Important: Content, users and configurations can largely be transferred – however, it is advisable to use a staging system beforehand and conduct tests with the beta/RC version.
- Old features that have been removed from the core may not be directly reused → prior review is necessary.

Compatibility:

Extensions & Templates: must be adapted for Joomla 6. Many developers are already releasing updates for their products.



Joomla 4.x is no longer supported – anyone still on version 4 must first upgrade to Joomla 6 before moving on to Joomla 6.

The Joomla 6 interface is almost identical to Joomla 6, making the transition easier for users. If you are already using Joomla 6, you will quickly find your way around Joomla 6.

3 Installing the Joomla 6 base:

This Joomla 6 ebook is based on the latest release version. Purchasers of this ebook are entitled to download the latest version of our Joomla 6 ebook free of charge for 12 months. Like all our ebooks, this Joomla 6 ebook is regularly updated whenever changes or additions are made to Joomla 6.

Creating a database :

To install Joomla, you need an SQL database. You must create this with your hosting provider. Since this process can vary significantly from provider to provider, we refer you to your provider's documentation.

Note down the database data, such as:

- **Hostname:** localhost
- **Database:** DB111111
- **User:** U111111
- **Password:** mypassword

You will need this data when installing Joomla.



3.1 Joomla 6.x System Requirements:

The following minimum system requirements are currently necessary for Joomla 6.x installations:

Requirements for Joomla! 6.x			
Software	Recommended	Supported	Minimum
PHP	8.4	8.3.0	8.3.0
Databases			
MySQL	8.4	8.0.13	8.0.13
MariaDB	12.0	10.6	10.4
PostgreSQL	17.6	14.0	12.0
Web Servers			
Apache	2.4	2.4	
Nginx	1.29	1.26	
Microsoft IIS	10	10	

[All the details can be found here](#) .

3.2 Preparing the Joomla package for a standard installation:

Below we will present two types of data transfer and installation:

- First, there's the standard installation, where, for example, the **Joomla_5.x-Stable-Full_Package.zip** file is extracted to a suitable folder on your local computer. Then, all files are transferred to the web server via FTP file transfer (FileZilla) . You can use a tool like **FileZilla** for this . You can download **FileZilla from our website [here](#)** . Since there are a large number of individual files, this transfer can take some time.



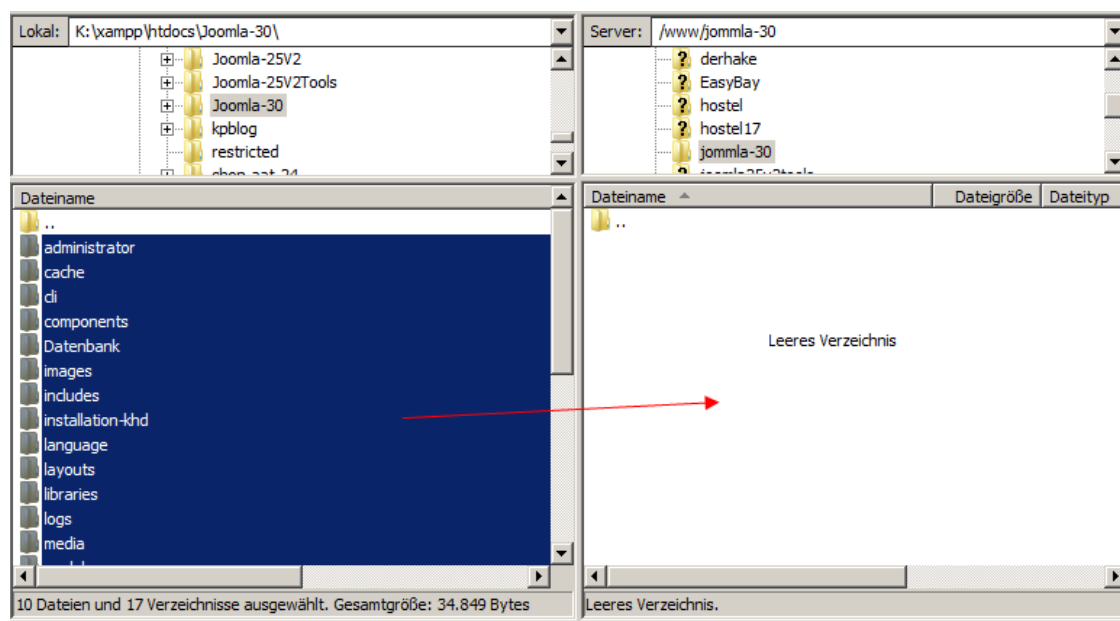
- An alternative method that significantly speeds up the installation process is to use the **Kickstart tool** from Akeeba. You can find this very useful tool directly from the manufacturer or in the [download section of our website](#).

3.3 Transferring files to the web server for the standard installation:

For example, unzip the downloaded zip file:

Joomla 6.x-Stable-Full_Package.zip

into a folder on your local computer. Then, using an FTP program, transfer all folders and files to the desired directory on your web server at your provider.



The transfer may take some time; after that, the actual Joomla installation can proceed.

Enter the link in your browser.

“ ***http://www.MyWebsite*** ”

This will start the first Joomla installation window.

Replace www.MyWebsite **with** your domain name to start the Joomla installation menu.



Now continue reading in the chapter: ***The Joomla installation routine***.

3.4 Preparing the Joomla package for installation with Kickstart:

Kickstart tool from the manufacturer Akeeba. You can find this very useful tool directly



from the manufacturer or in the [download section](#) of our website. This saves you the trouble of locally extracting the **Joomla 6.x-Stable-Full_Package.zip** file into a folder on your local computer.

With this installation method, you need to transfer the Joomla zip file to the web server.

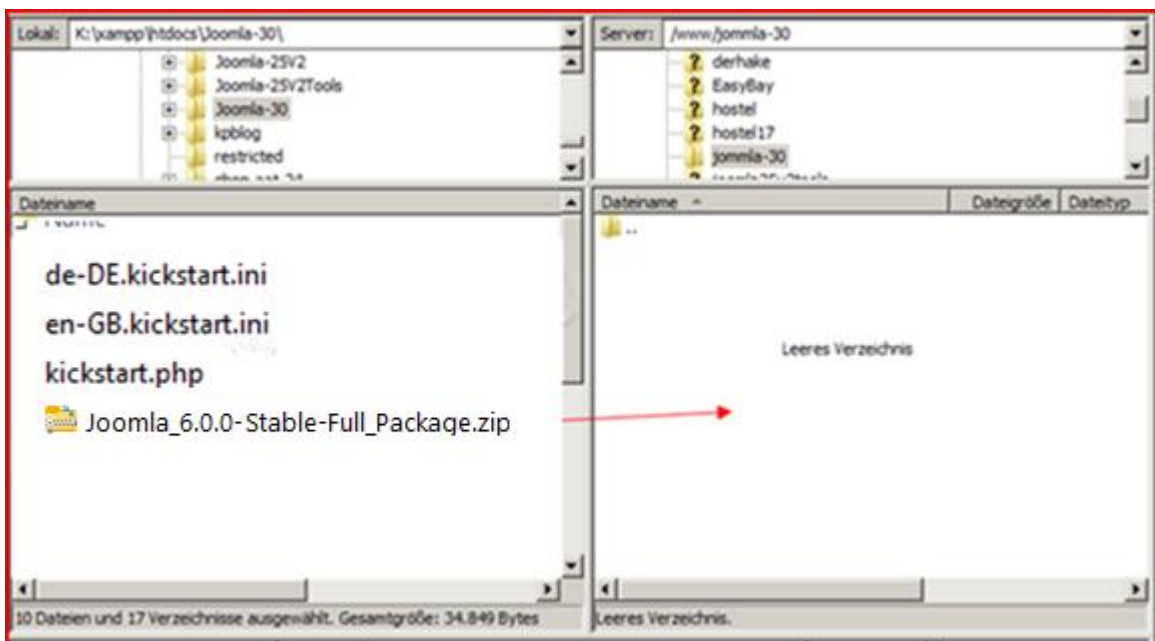
Do the same with the following Kickstart files:

de-DE.kickstart.ini

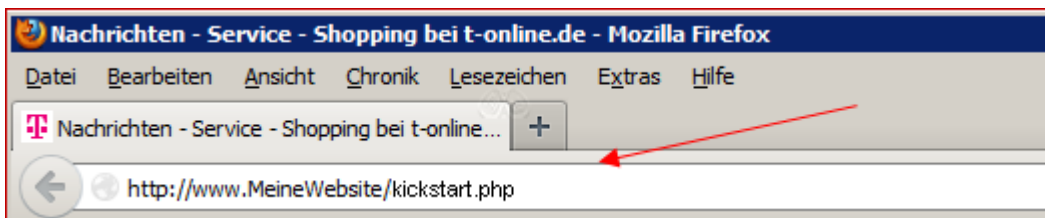
en-GB.kickstart.ini

kickstart.php

This saves a lot of time and prevents interruptions, as you only need to transfer four files.



the link “ <http://www.MyWebsite/kickstart.php> ” in your browser to start the first Kickstart installation window.





The Kickstart Tool's start screen:

Things you should know about Akeeba Kickstart

1. Kickstart is not an installer. It is an archive extraction tool. The actual installer was put inside the archive file at backup time.
2. Kickstart is bound by your server's configuration. As such, it may not work at all.
3. You should download and upload your archive files using FTP in Binary transfer mode. Any other method could lead to a corrupt backup archive and restoration failure.
4. Post-restoration site load errors are usually caused by .htaccess or php.ini directives. You should understand that blank pages, 404 and 500 errors can usually be worked around by editing the aforementioned files. It is not our job to mess with your configuration files, because this could be dangerous for your site.
5. Kickstart overwrites files without a warning. If you are not sure that you are OK with that do not continue.
6. Trying to restore to the temporary URL of a cPanel host (e.g. <http://1.2.3.4/~username>) will lead to restoration failure and your site will appear to be not working. This is normal and it's just how your server and CMS software work.
7. You are supposed to read the documentation before using this software. Most issues can be avoided, or easily worked around, by understanding how this software works.
8. This text does not imply that there is a problem detected. It is standard text displayed every time you launch Kickstart.

[Click here or press ESC to close this message](#)

Click on the linked line, or press the ESC key on your keyboard.

Then you will see the first part of the Kickstart Tool installation.

Only the upper part is shown here.



Inside we can see the uploaded Joomla Zip file.

Akeeba Kickstart Professional 9.0.2

Want some help to use this tool? Read this first: [Quick Start Guide](#)

1 Select a backup archive

[Import from Amazon S3](#) [Import from URL](#)

Archive directory: [Reload](#)

Archive file:

Archive Password (for JPS files)

[Start](#)

2 Select an extraction method

Start button, which now needs to be pressed.

The packaging process for the Kickstart Tool is now starting:

Akeeba Kickstart Professional 9.0.2

5 Extracting

Do not close this window while the extraction is in progress

F:/laragon/www/Joomla-6-Eng/libraries/vendor/symfony/polyfill-mbstring/

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This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.



After its completion, we see the following button.



We activate it, thereby starting the standard Joomla installation routine.

4 The Joomla installation routine:

Here you can select, among other things, the language for the installation menu.





Fields marked with an asterisk are mandatory.

Joomla Installer Joomla! 6.0.3

Login Data

Enter the real name of your Super User. *

Set the username for your Super User account. *

Set the password for your Super User account. *

Password accepted

Enter at least 12 characters.

Enter the email address of the website Super User. *

Setup Database Connection >



Remember your **username** and **password** ; you will need both later when you want to log in to the backend.

Enter all the required information here and click **Next** .



The data for the database is then queried .

Database Configuration

Select the database type. *

MySQLi

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

localhost

Enter the database username you created or a username provided by your host. *

root

Enter the database password you created or a password provided by your host.

Enter the database name. *

joomla_6E

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

r0rgm_

If you are using an existing database with tables with the same prefix, Joomla will rename those existing tables by adding the prefix "bak_".

Connection Encryption *


Default (server controlled)

[Install Joomla >](#)

Enter the values from the created database here. You must have created the database with your provider beforehand. Please refer to your provider's documentation for instructions.



Enter the required parameters here and click the **Install Joomla** button .

 **Congratulations!**

Congratulations! Your Joomla site is ready.

[Install Additional Languages >](#)

Automated Updates

Joomla automatically updates itself for minor and patch releases.

Please note: Automated Updates will register your site at the respective service provided by the Joomla! project. The registration allows the Joomla project to access information about your site and server environment, specifically Site Url, PHP version, Database type and version, CMS version and Server OS type and version. This information is only used to improve the service.

Alternatively you can disable automated updates using the button below.

[Disable Automated Updates >](#)

These settings are recommended for PHP to ensure full compatibility with Joomla.

Directive	Recommended	Actual
Display Errors	Off	On
Output Buffering	Off	On
Native ZIP support	On	Off

[👁️ Open Site](#)

[🔒 Open Administrator](#)



Now delete the Installation directory.

You can now log in to the backend:

The screenshot shows the Joomla! login interface. At the top center is the Joomla! logo, a colorful knot-like symbol. Below it are two input fields: 'Username' with the text 'admin' and 'Password' with the text '123456789012'. To the right of the password field is a small icon to toggle visibility. Below the fields is a large blue 'Log in' button. At the bottom, there is a link that says 'Forgot your login details?' with a small icon to its left.

The screenshot shows a 'Welcome to Joomla!' dialog box, labeled 'Step 1 of 6'. The dialog has a 'Cancel' button with an 'X' icon in the top right corner. The main text reads: 'This tour will give you a quick overview of how to get started with Joomla! You are in the Joomla Administrator area, also known as the **Backend**. This is where you set up and manage your entire Joomla Site.' Below this, it asks 'Want to learn more?' and says 'Let's start the tour and build your site with the power of Joomla!'. At the bottom, there are two buttons: 'Hide Forever' and 'Start'. In the background, a notification says 'Automated Updates unavailable.' and a gear icon is visible.



The Joomla team also likes to collect data:

Help us make Joomla! better!

✕

We want to increase the compatibility of our Joomla! software with our user's server settings. Therefore we need anonymous data from your site to better understand the install base and end user environments. All data is anonymised and only sent to a Joomla! controlled central server. You can change these settings later from Plugins → System - Joomla! Statistics.

▶ No identifying data is captured at any point. Select here to review.

Enable Joomla Statistics?

No

Yes, I'll help Joomla!

4.1 Dashboard:

The Control Panel Dashboard in the backend area after installation:

The upper part:

The screenshot shows the Joomla! 6.0.3 Home Dashboard. The top navigation bar includes 'Take a Tour', 'Post Installation Messages', 'EBW Joomla 6.x Demo Website', and 'User Menu'. The left sidebar contains a 'Toggle Menu' button and a list of menu items: Home Dashboard, Content, Menus, Components, Users, System, and Help.

The main dashboard area is divided into several sections:

- Site:** Cards for Users, Articles, Article Categories, Media, Modules, and Plugins.
- System:** Cards for Global Checkin, Cache, and Global Configuration.
- Notifications:** Alerts for 'Automated Updates unavailable', 'Joomla is up to date', 'Extensions are up to date', 'Overrides are up to date', and 'No urgent privacy requests'.
- Logged-in Users:** A table showing active users.
- Sample Data:** Options to install 'Blog Sample Data' and 'Multilingual Sample Data'.
- Latest Actions:** A log showing 'User admin logged in to admin' less than a minute ago.
- Popular Articles:** A section indicating 'No Articles have been created yet.'
- Privacy Dashboard:** A section indicating 'No Information Requests have been submitted yet.'

At the bottom, there is a 'Keyboard Shortcuts' section with 'J then X' and an 'Add module to the dashboard' button.

If the backend is displayed in English because you used the Joomla base installation, you must first install the German language separately. See the chapter: Installing the German language or another language.

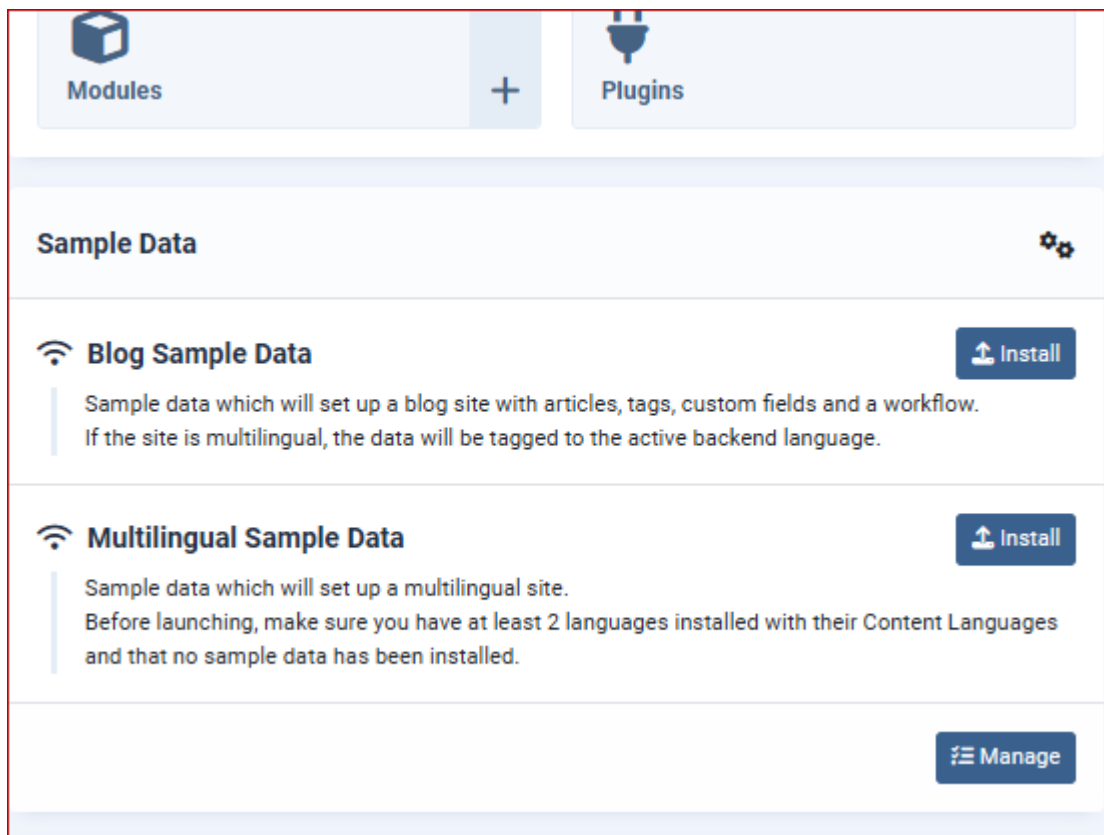


If you have never worked with Joomla 6 before, or if you want a multilingual installation, you should install the sample data.

The lower part, the area shown here, depends on whether and which sample data you install.

For the installation in our example, we used our German Joomla installation package, which comes pre-installed with English and German. This allows for easy multilingual configuration of the Joomla installation, if desired.

Installation of sample data :




If you want to run a website in multiple languages and have the Joomla installation routine prepare for multilingual support, you must first install all the desired languages. In our example, we are using German and English.

When you install the **Multilingual Sample Data**, the necessary menu areas are also configured. This saves considerable effort compared to manually configuring multilingual support later.




If you have no prior experience with Joomla and want to run the website in one language, for example German, we recommend installing the **blog sample data**, as this will allow you to be more flexible and also introduce you to the possibility of using Joomla as a blog.





Modules

+



Plugins

Sample Data ⚙️

📶 **Blog Sample Data**
↑ Install

Sample data which will set up a blog site with articles, tags, custom fields and a workflow. If the site is multilingual, the data will be tagged to the active backend language.

📶 **Multilingual Sample Data**
↑ Install

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.

☰ Manage

These are plugins that can be hidden in the **Manage --> Plugins section when they are not needed.**

		Status	Plugin Name	Type	Element	Access
<input type="checkbox"/>	⋮	✓	Sample Data - Blog	sampledata	blog	Public
<input type="checkbox"/>	⋮	✓	Sample Data - Multilingual	sampledata	multilang	Public

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Version 6.x



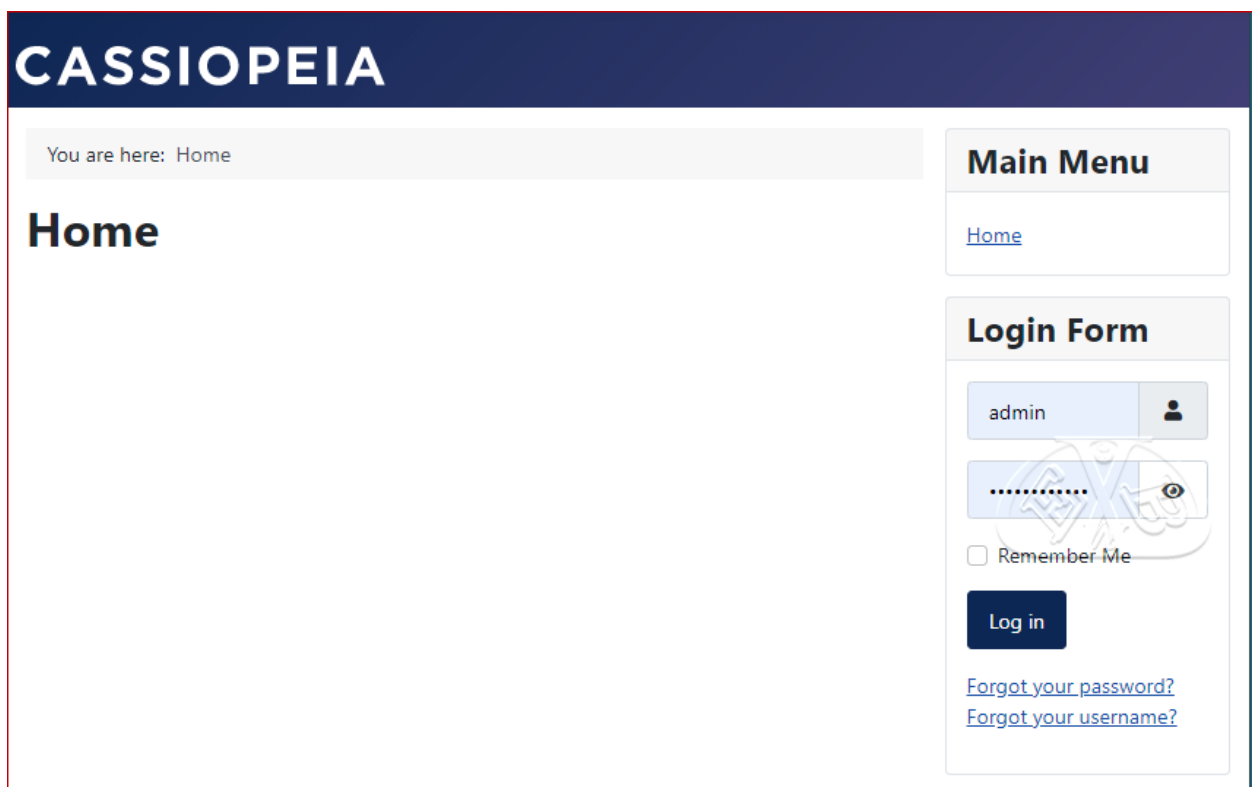
5 The backend area, the control center:

In Joomla, a distinction is made between two fundamental views:

- **Backend**: The backend refers to the area in which we are currently working.
- **Frontend**: This is the area that the visitor sees.

5.1 The frontend after installation without sample data:


After installing the Joomla base without sample data, the frontend looks like this.





After installing the Joomla base with the multilingual sample data, the frontend looks like this.

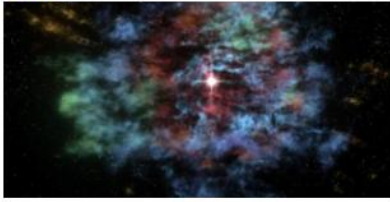
Joomla



We proudly present Joomla Version 6!
Learn more about workflows in Joomla.

[> Read more: Joomla](#)


Love



We love Joomla to the moon and back!
Thank you to all volunteers who have contributed!

[> Read more: Love](#)

Millions




Millions of Websites are built on Joomla!
Learn more about beautiful blog presentation.

[> Read more: Millions](#)

You are here: [Home](#)

Home



Your Template


Details
Written by: Joomla
Category: [Blog](#)
Published: 03 March 2026
Hits: 0


[Millions](#) [Worldwide](#) [Love](#) [Joomla 6](#)

Main Menu

- [Home](#)
- [My Blog](#)

Login Form



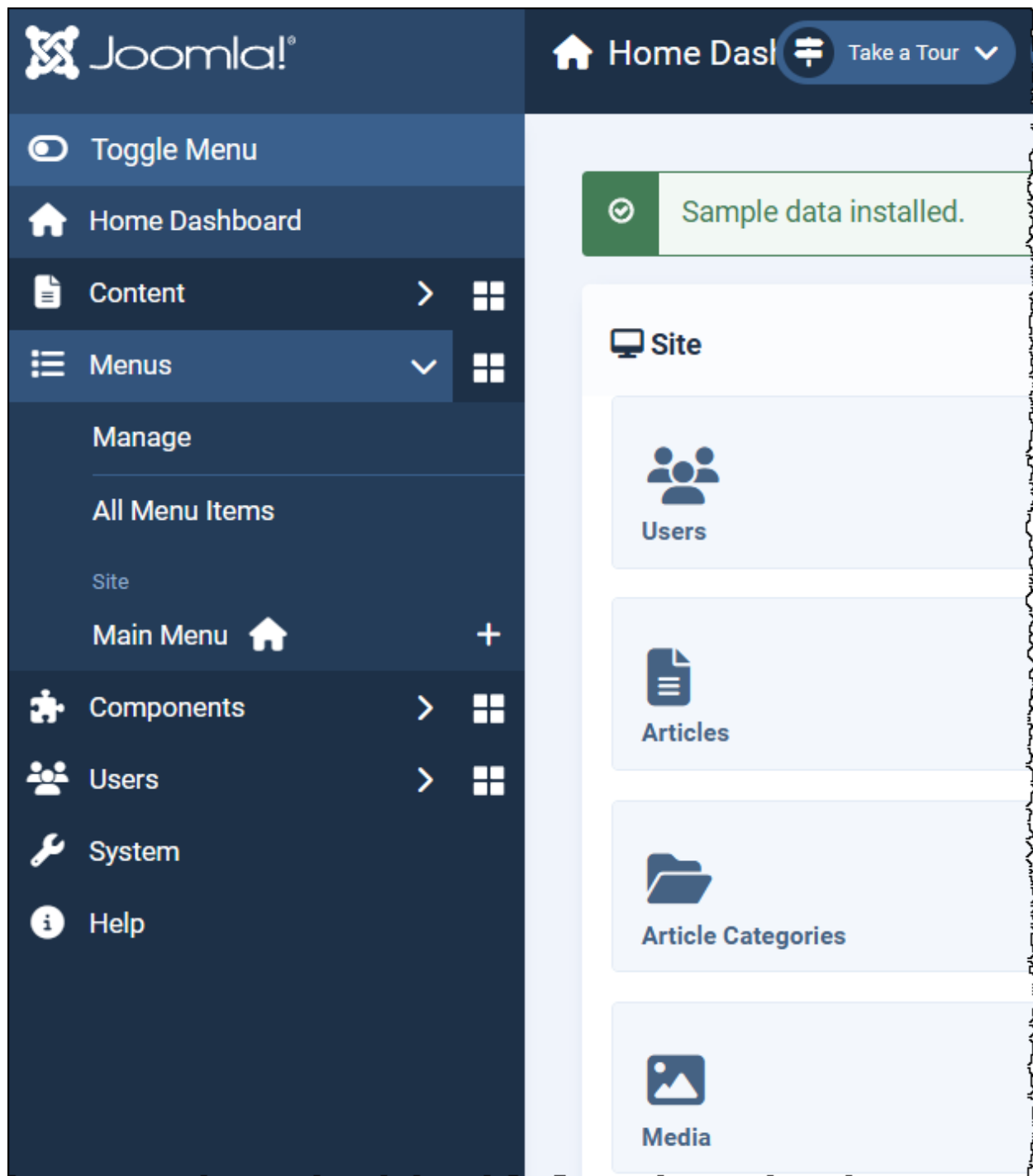


Remember Me

[Log in](#)

[Forgot your password?](#)
[Forgot your username?](#)

The menu system after installing the Multilingual Sample Data:



5.1.1 The Cassiopeia template for Joomla 6:

In Joomla 6.x, the Cassiopeia template is included in the package. Responsive layout and mobile-first design characterize this template. This template is an excellent basis for customizing it to your own layout requirements or for creating a custom template from it.

[We will create a Joomla template for you entirely according to your wishes.](#)



The Cassiopeia template is a basic template; it is an excellent basis for creating your own individual template.

The templates we create based on the Cassiopeia template comply with the latest web standards and Bootstrap 5. We avoid any unnecessary overhead, guaranteeing fast loading times, which is particularly important to Google and other search engines.

Suitability for mobile devices now and in the future:

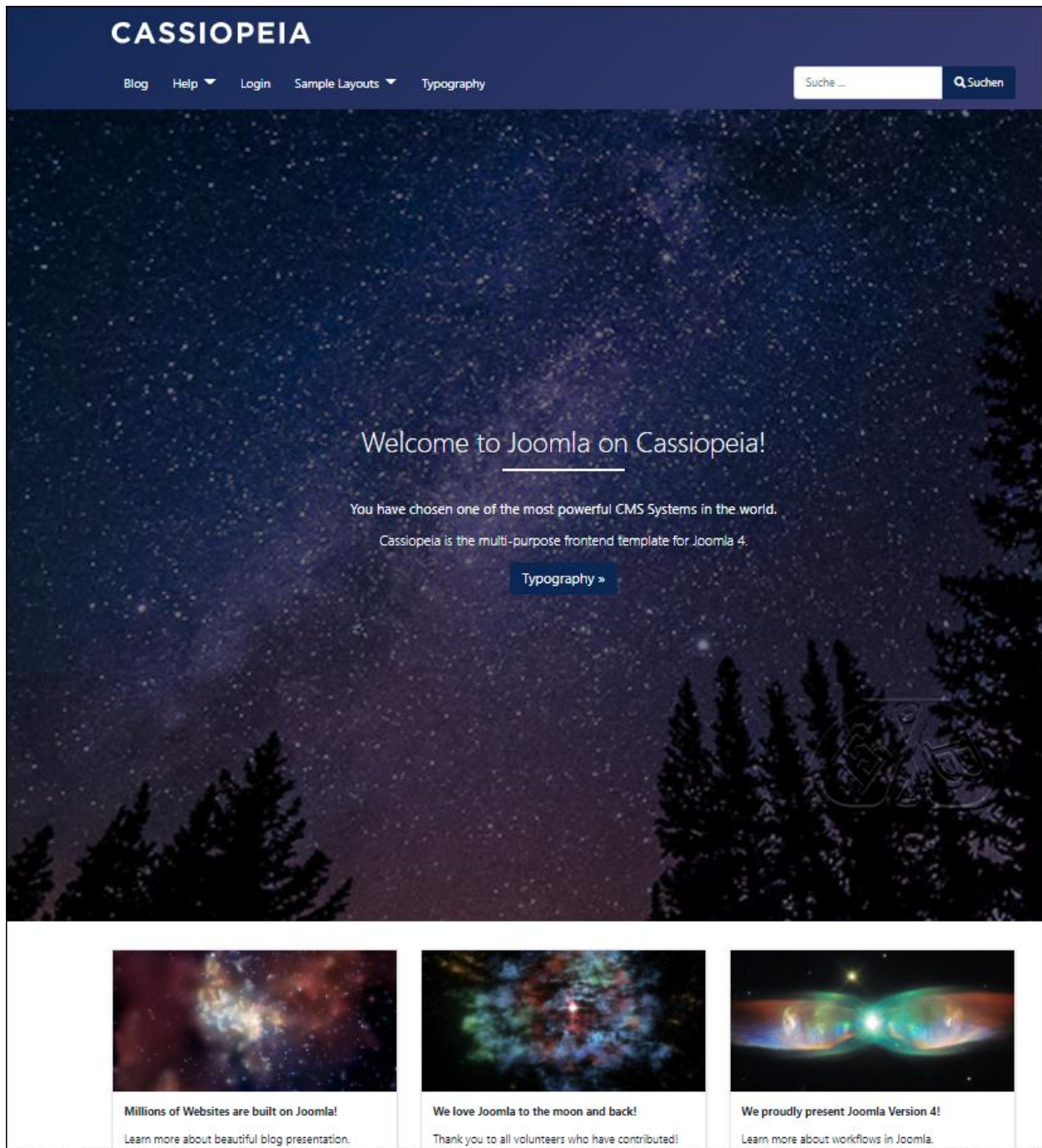
The template supports the latest Twitter Bootstrap 5 technology and is therefore ideally suited for mobile devices. The responsive Twitter Bootstrap technology guarantees dynamic adaptation to all mobile devices.

Joomla 6 is also based on the Cassiopeia template.



5.2 Frontend with blog sample data:

This is what your Joomla installation will look like on the front end after installing the sample blog data. We recommend this method for users who are new to Joomla 6.x.



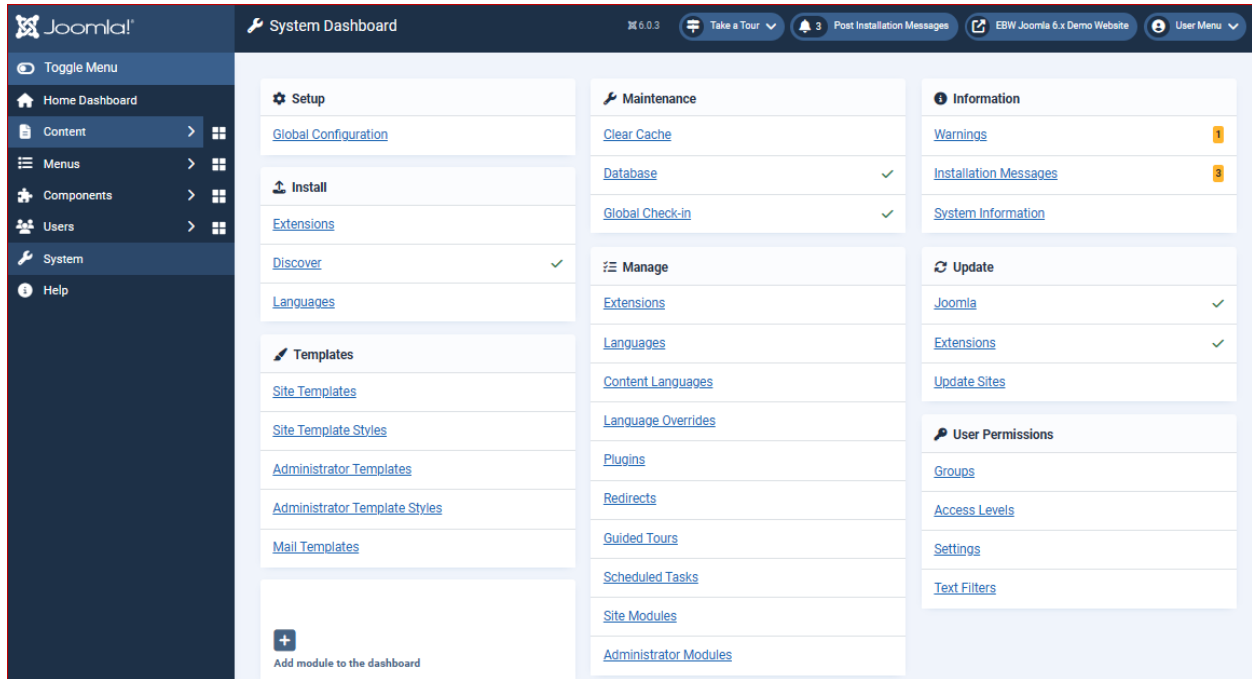


5.3 The system dashboard after a standard installation:

After successful login, you will see the control center in the backend, initially in English. All further adjustments and installations can be made in the system dashboard .

There is a [pre-configured Joomla 6 installation package](#) in which, in addition to English.

The display will then be in English.





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