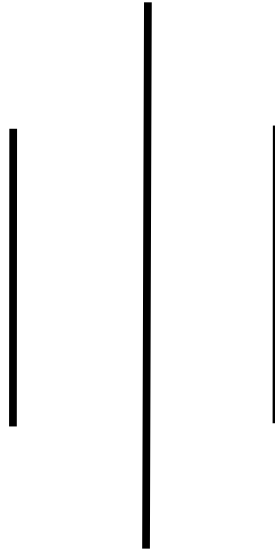# Deerwalk Institute Of Technology
Internet Technology

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Date: July 15th 2016

Introduction

Joomla is an open source Content Management System (CMS), which is used to build websites and online applications. It is free and extendable which is separated into front-end templates and back-end templates (administrator). Joomla is developed using PHP, Object Oriented Programming, software design patterns and MySQL (used for storing the data).

Installation:

1. First download Joomla from *http://www.joomla.org/download.html*
2. Extract into a folder (say: *joomlasite*)
3. Copy the extracted folder to */var/www/html/*
3. Go to browser and type (*http://localhost/joomlasite/*). It will take us to the installation wizard.

Fill the Configuration form and proceed to Database configuration.

1 Configuration **2** Database **3** FTP **4** Overview

Database Configuration

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Database Type *
MySQLi
This is probably "MySQLi".

Host Name *
localhost
This is usually "localhost".

Username *
root
Either something as "root" or a username given by the host.

Password
••••••••
For site security using a password for the database account is mandatory.

Database Name *
joomlasite
Some hosts allow only a certain DB name per site. Use table prefix in this case for distinct Joomla! sites.

Table Prefix *
sa48e_
Choose a table prefix or use the **randomly generated**. Ideally, three or four characters long, contain only alphanumeric characters and MUST end in an underscore. **Make sure that the prefix chosen is not used by other tables**.

Old Database Process *
Backup Remove
Any existing backup tables from former Joomla! installations will be replaced.

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To configure the database, first we should create database in MySQL database. In the database configuration, fill up the database username and password, database name and table prefix. Table prefix is must since, it is random, prevents from unauthorized access of our website database.

Pre-Installation Check

If any of these items are not supported (marked as No) then please take actions to correct them.
You can't install Joomla! until your setup meets the requirements below.

PHP Version >= 5.3.10	Yes
Magic Quotes GPC Off	Yes
Register Globals Off	Yes
Zlib Compression Support	Yes
XML Support	Yes
Database Support: (pdomysql, pdo, mysqli)	Yes
MB Language is Default	Yes
MB String Overload Off	Yes
INI Parser Support	Yes
JSON Support	Yes
configuration.php Writeable	No

Recommended settings:

These settings are recommended for PHP in order to ensure full compatibility with Joomla.
However, Joomla! will still operate if your settings do not quite match the recommended configuration.

Directive	Recommended	Actual
Safe Mode	Off	Off
Display Errors	Off	Off
File Uploads	On	On
Magic Quotes Runtime	Off	Off
Output Buffering	Off	On
Session Auto Start	Off	Off
Native ZIP support	On	Off

← Previous   → Install

Lastly, joomla installation wizard will check all the configuration. Now, pressing Install button proceeds us to the installation phase.

Joomla!®

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

Installing ...

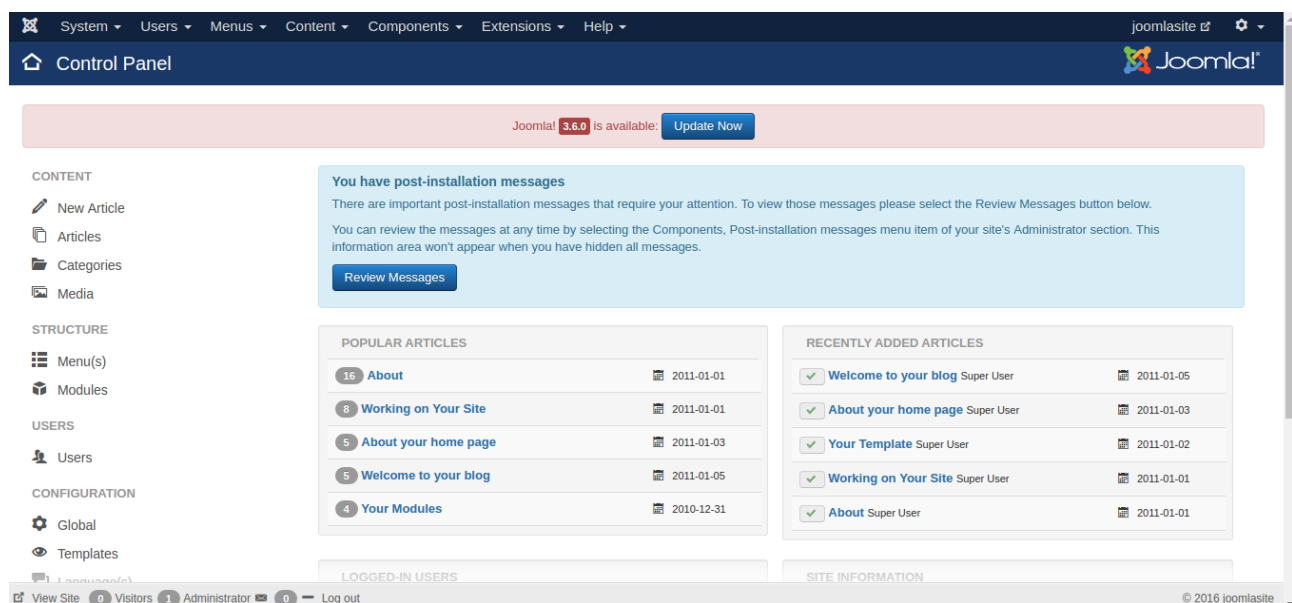Backing up old database tables

Creating database tables

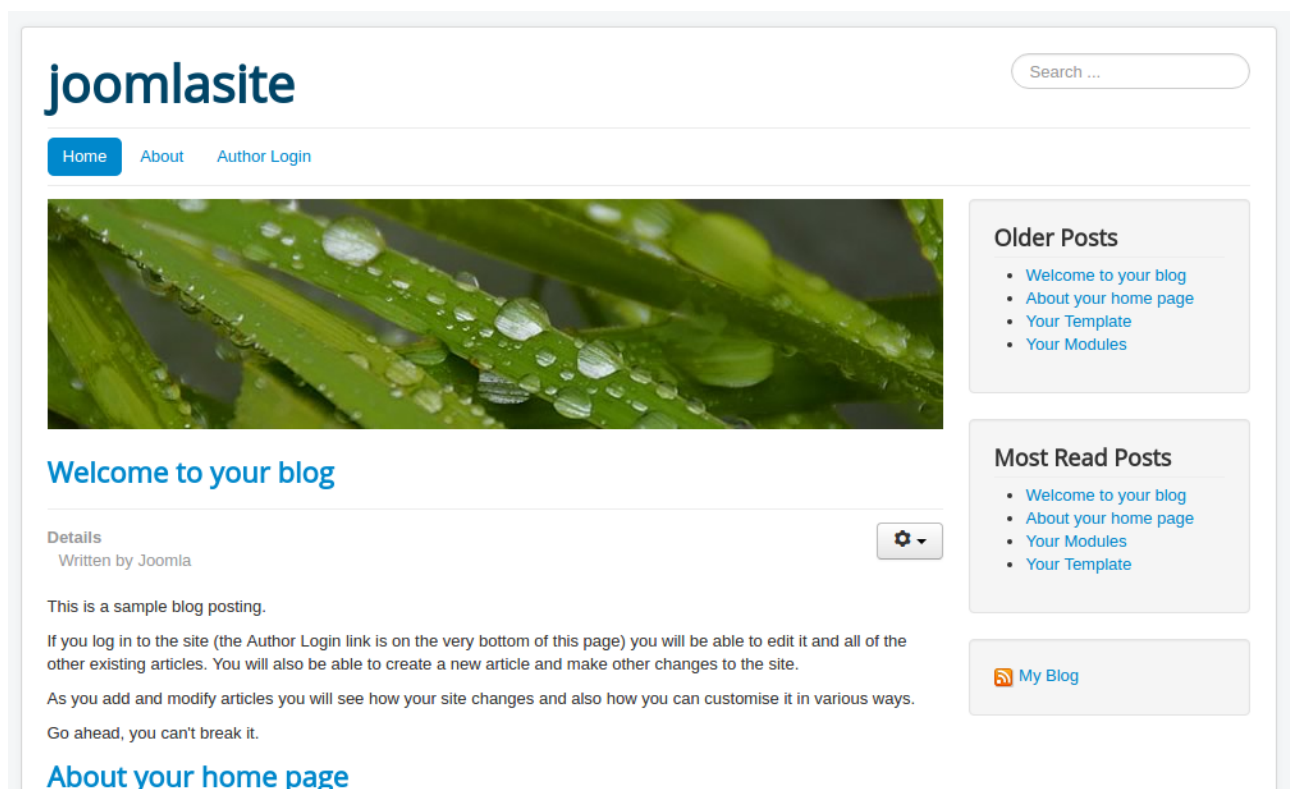Installing sample data

Creating configuration File

We can login to admin panel, from the URL: localhost/joomla/administrator
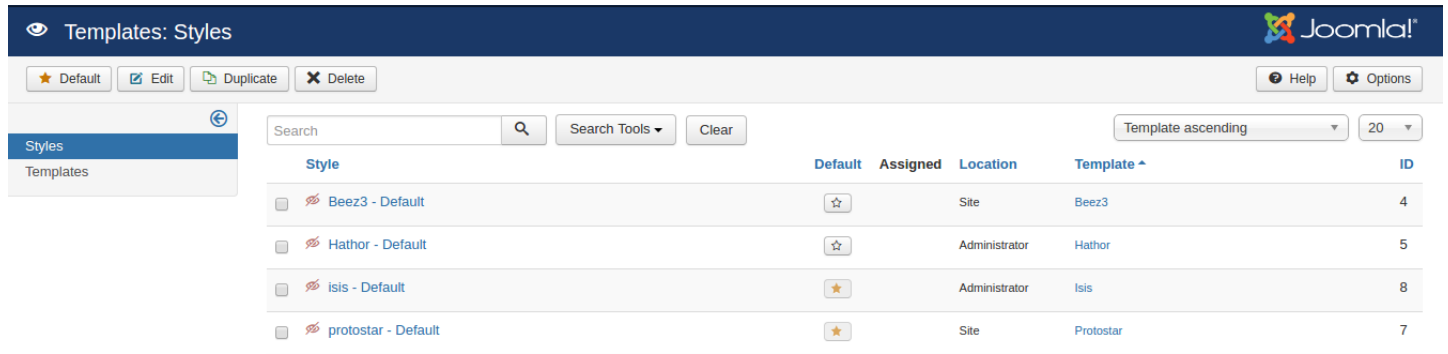

Admin panel

From the admin panel, we can control all our configuration for our website/ blog.

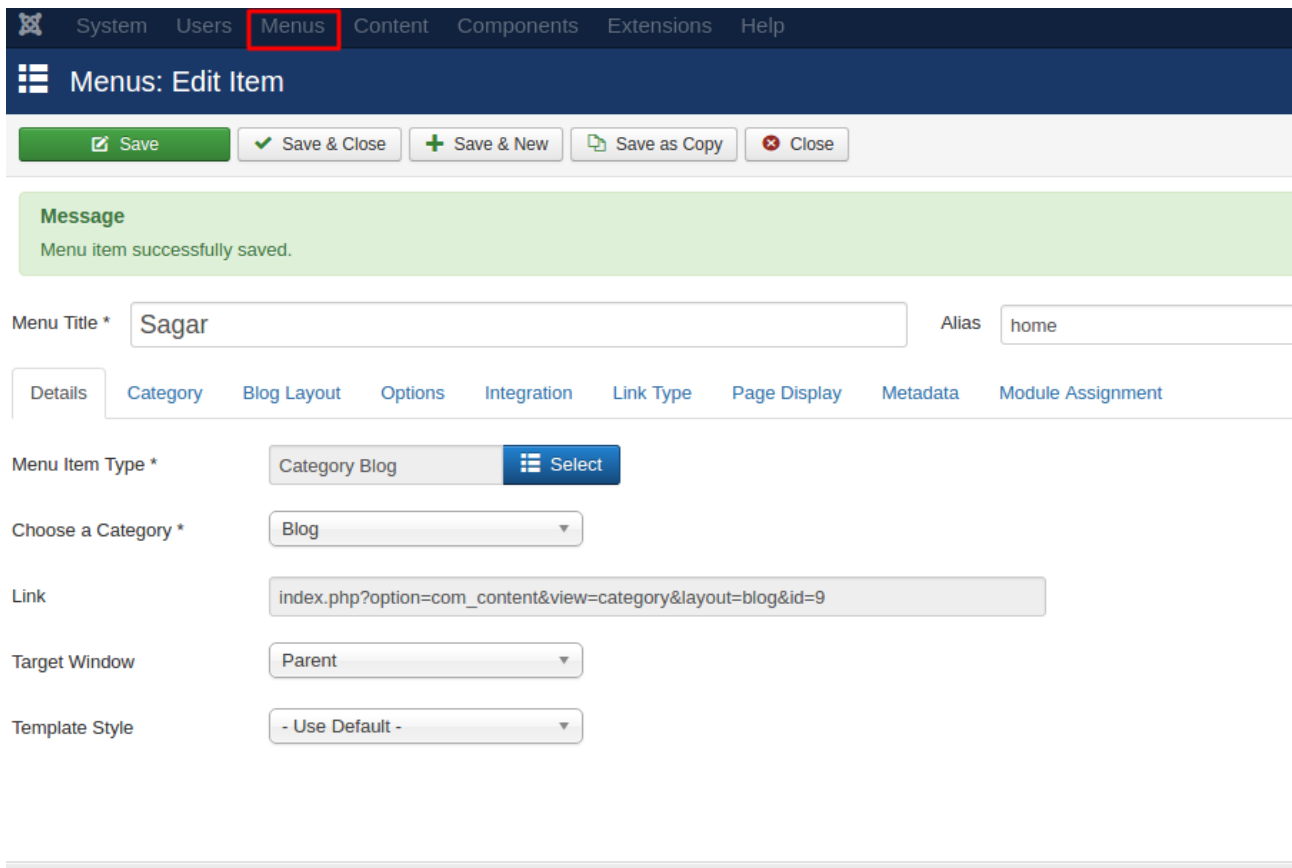URL: *localhost/joomasite* is the URL for our homepage.

Website preview

Form **templates > Styles** we can control the view of our website as well as the admin panel.

From menu section, we can change the menu of our website. Saving the configuration is reflected to our website.

From Articles section, we can change/ add new blog posts.

After all configuration and changes, we can view our new website.

Final Preview