



Managing Your Content



Introduction

- Who has already made a website on his own ?
- Who can read ?
- Who can use a computer ?
- Who can use programs like MS word ?
- You only need 3 'yes'-answers to be able to make a CM-website.



What is a CMS website ?

- In former times : only HTML
- ❑ But lot of work to change
- ❑ Slow

Only html

CSS

CMS

Installation

Maintenance

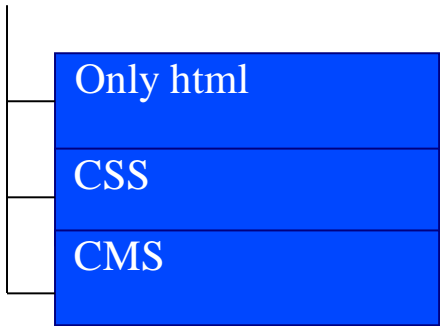
```
<!DOCTYPE html PUBLIC "-//W3C//DTD
XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD
/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<body>
<table border="0" cellpadding="30"
cellspacing="0" bordercolor="#000000"
bgcolor="#CCCCCC">
  <tr>
    <td width="25%">&nbsp;&nbsp;&nbsp;</td>
    <td width="50%">
<font color="#FF0000" size="+2">
This is my web page!!
</font>
</td>
    <td width="25%">&nbsp;&nbsp;&nbsp;</td>
  </tr>
</table>
</body>
</html>
```

This is my web
page!!



What is a CMS website ?



Installation

Maintenance

- Cascading Style Sheets
 - ❑ Easier to change the format
 - ❑ Faster

```
<!DOCTYPE html PUBLIC "-//W3C/DTD  
XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD  
/xhtml1-transitional.dtd">  
<html xmlns="http://www.w3.org/1999/xhtml">  
<link href="presentationinformation.css"  
rel="stylesheet" type="text/css" />  
<head>  
  
<body>  
<div class="layout">  
<div class="title">  
This is my web page!!  
</div>  
</div>  
</body>  
</html>
```

```
.layout {  
padding: 30px;  
width: 400px;  
background-color: #ccc;  
}  
.title {  
font-size: x-large;  
color: #FF0000;  
text-align: center;  
}
```





What is a CMS website ?

→ Content Management System

□ A CMS does for content what CSS does for presentation

□ You don't need a web master for the content

Only html

CSS

CMS

Installation

Maintenance

```
<!DOCTYPE html PUBLIC "-//W3C/DTD XHTML 1.0 Transitional/EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<link href="presentationinformation.css"
rel="stylesheet" type="text/css" />
<head>
<body>
<div class="layout">
<div class="title">
<php "Put some content here">
</div>
</div>
</body>
</html>
```

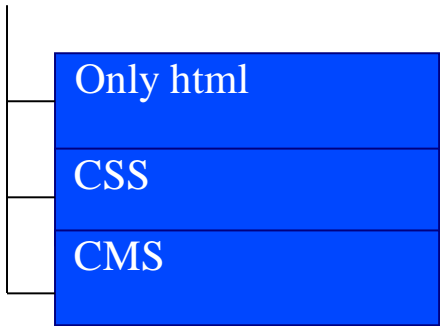
The Joomla Database:
"This is my web page!!"

```
.layout {
padding: 30px;
width: 400px;
background-color: #ccc;
}
.title {
font-size: x-large;
color: #FF0000;
text-align: center;
}
```





What is a CMS website ?



Installation

Maintenance

→ Content Management System

❑ You can have a CMS developed for you by IT-professionals : high cost.

❑ Or you can use a free open source CMS like Joomla



What is a CMS website ?

→ Benefits

- ❑ Consistent website design
- ❑ Availability of site modules and templates
- ❑ An open source community (for support)
- ❑ Content and structure can easily be adapted
- ❑ Content is well organized and searchable
- ❑ You can assign different webmasters to administer the content

Only html

CSS

CMS

Installation

Maintenance



What is a CMS website ?

What ?

Installation

Upload

Setup


Maintenance

→ You need

- ❑ A web hosting account
- ❑ A database
- Upload the latest Joomla installation package to your web hosting account using an FTP client (Fireftp/ FileZilla)

Opening Joomla-1.5RC4.zip [X]

You have chosen to open

 **Joomla-1.5RC4.zip**
 which is a: WinRAR ZIP archive
 from: <http://downloads.joomla.org>

What should Firefox do with this file?

Open with WinRAR.ZIP (default) [v]

Save to Disk

Do this automatically for files like this from now on.

OK Cancel



How to install a Joomla website ?

What ?

Installation

Upload

Setup

Maintenance

→ In your web browser, type in the web address of your Joomla installation (www.your-domain-name.com)

→ This brings you to the first Joomla installation page.

→ Check if everything is writable, if not, go to your ftp-server to adjust the permissions

pre-installation check

license

step 1

step 2

step 3

step 4



pre-installation check

Next >>

Check Again

Joomla! 1.0.13 Stable [Sunglow] 21 July 2007 16:00 UTC

Required Settings Check:

If any of these items are highlighted in red then please take actions to correct them.

Failure to do so could lead to your Joomla! installation not functioning correctly.

PHP version \geq 4.1.0

Yes

- zlib compression support

Available

- XML support

Available

- MySQL support

Available

configuration.php

Unwriteable

You can still continue the install as the configuration will be displayed at the end, just copy & paste this and upload.

Session save path

Writeable

`/tmp`

Security Check:

Following PHP Server Settings are not optimal for **Security** and it is recommended to change them:



PHP register_globals setting is 'ON' instead of 'OFF'

However, Joomla! will still operate if your settings do not quite match the recommended

File Uploads:	OFF:	ON
Magic Quotes GPC:	ON:	ON
Magic Quotes Runtime:	OFF:	OFF
Register Globals:	OFF:	ON
Output Buffering:	OFF:	OFF
Session auto start:	OFF:	OFF

Directory and File Permissions Check:

In order for Joomla! to function correctly it needs to be able to access or write to certain files or directories.

If you see "Unwriteable" you need to change the permissions on the file or directory to allow Joomla! to write to it.

administrator/backups/	Unwriteable
administrator/components/	Unwriteable
administrator/modules/	Unwriteable
administrator/templates/	Unwriteable
cache/	Unwriteable
components/	Unwriteable
images/	Unwriteable
images/banners/	Unwriteable
images/stories/	Unwriteable
language/	Unwriteable
mambots/	Unwriteable
mambots/content/	Unwriteable
mambots/editors/	Unwriteable
mambots/editors-xtc/	Unwriteable
mambots/search/	Unwriteable
mambots/system/	Unwriteable
media/	Unwriteable

pre-installation check

license

step 1

step 2

step 3

step 4



pre-installation check

Next >>

Check Again

Joomla! 1.0.13 Stable [Sunglow] 21 July 2007 16:00 UTC

Required Settings Check:

If any of these items are highlighted in red then please take actions to correct them.

Failure to do so could lead to your Joomla! installation not functioning correctly.

PHP version >= 4.1.0	Yes
- zlib compression support	Available
- XML support	Available
- MySQL support	Available
configuration.php	Unwriteable You can still continue the install as the configuration will be displayed at the end, just copy & paste this and upload.
Session save path	Writeable
<code>/tmp</code>	

Security Check:

Following PHP Server Settings are not optimal for **Security** and it is recommended to change them:

PHP register_globals setting is 'On' instead of 'OFF'

Please check [the Official Joomla! Server Security page](#) for more



How to install a Joomla website ?

What ?

Installation

Upload

Setup

Maintenance

→Next, you will enter information to configure your database.

- ❑ For the hostname, use “localhost”
- ❑ Enter your MySQL database name,
=> username and password
- ❑ For the MySQL prefix, use “jos”
- ❑ Click in the box to install Sample Data, if this is your very first Joomla installation

pre-installation check

license

step 1

step 2

step 3

step 4



step 1

MySQL database configuration:

Setting up Joomla! to run on your server involves 4 simple steps...

Please enter the hostname of the server Joomla! is to be installed on.

Enter the MySQL username, password and database name you wish to use with Joomla!

Enter a table name prefix to be used by this Joomla! install and select what to do with existing tables from former installations.

Install the sample data unless you are an experienced Joomla! User wanting to start with a completely empty site.

Host Name

This is usually 'localhost'

MySQL User Name

Either something as 'root' or a username given by the hoster

MySQL Password

For site security using a password for the mysql account is mandatory

MySQL Database Name

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

MySQL Table Prefix

Drop Existing Tables

Backup Old Tables

Install Sample Data

Any existing backup tables from former Joomla! installations will be replaced

Don't uncheck this option unless you are experienced in using Joomla!



How to install a Joomla website ?

What ?

Installation

Upload

Setup

Maintenance

→ Now click on Next. Click on OK to confirm that all the information is accurate.

Enter your domain name and then click on Next. Confirm your website's URL, the pathname, email address and your password.

Now, you will use your FTP client to delete the installation directory.



How to install a Joomla website ?

What ?

Installation

Upload

Setup

Maintenance

→Once you have deleted the installation directory use your mouse to highlight all the configuration files. Right-click and copy the highlighted files

→Paste all the copied configuration files into the configuration.php file.



How to install a Joomla website ?

What ?

→ Now you can start working on your website

Installation

Upload

Setup

Maintenance

Download the manual

www.books.shafila.com/download/?dir=&download=Building.Websites.With.Joomla.pdf

OR

<http://www.open-of-course.org/courses/mod/resource/view.php?id=296>

- ❑ Search on the net for templates, modules,...



Thank you

Muhamad Nadeem

Open Source Resource Center

<http://www.osrc.org.pk>

mnadeem@pseb.org.pk