Joomla Multi Sites

Demo JMS Installation

August 2008

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*Version: **V1.0.5***	
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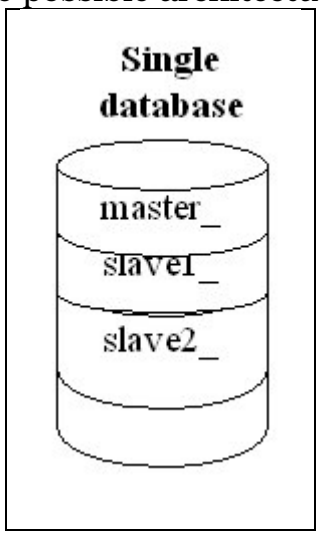
Change Control

Version	Date	Description
1.0	29-july-2008	Initial version
1.0.3	4-aug-2008	Update screen with JMS version 1.0.3 that use Joomla 1.5.5
1.0.5	19-aug-2008	Update screen with JMS version 1.0.5 that use Joomla 1.5.6 Add a slave site 'www.x2win.eu' to demonstrate that JMS can work with both domain and sub-domain

1. Introduction

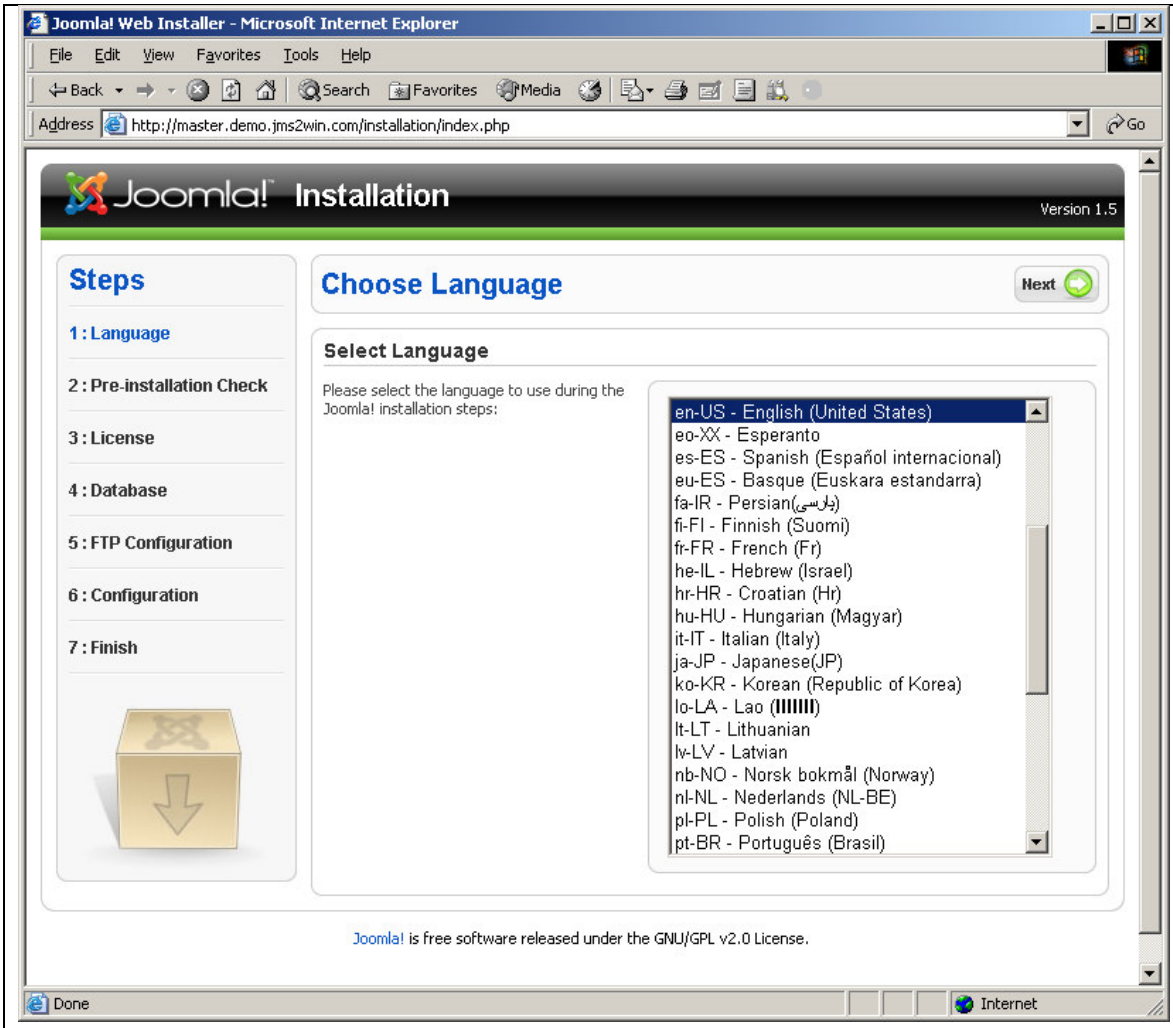
This document is a demonstration of the Joomla Multi Sites installation procedure.
It shows you the installation of a Master site and three slave sites.
Because we have received some questions to know if Joomla Multi Sites can work with sub-domain and domain, in this demo, there are 2 slave sites using 'sub-domain' and one slave site using a domain name.
It highlight the important point to respect to ensure each site is seen independantly.

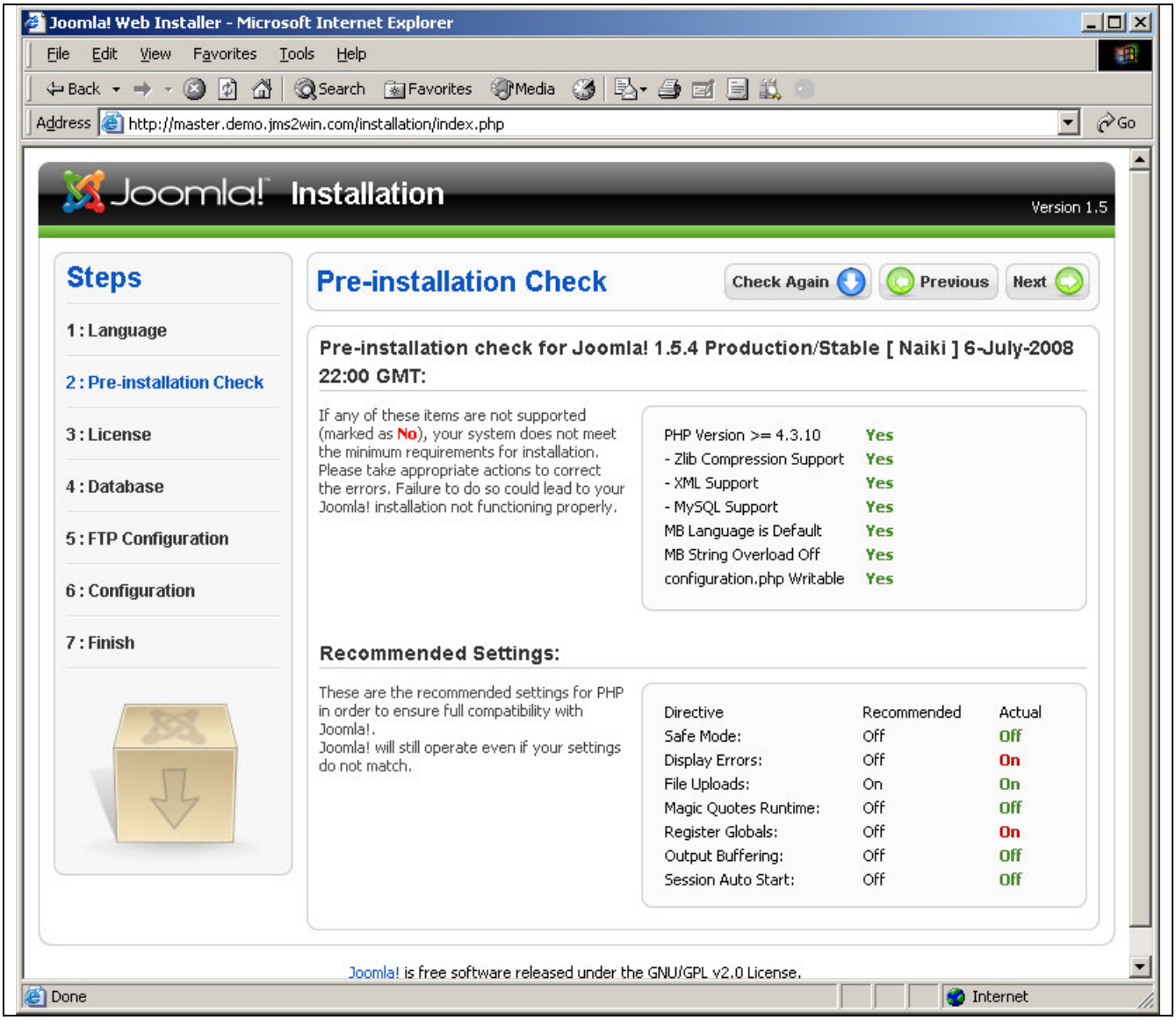
In the current demonstration we have used a single database to store the content of all the websites. We have choosen this particular architecture because there are some constrain that must be respected to avoid conflict between the websites.
If you use different databases for each websites, those constrains does not exists.
See the user's manual for the possible architecture.

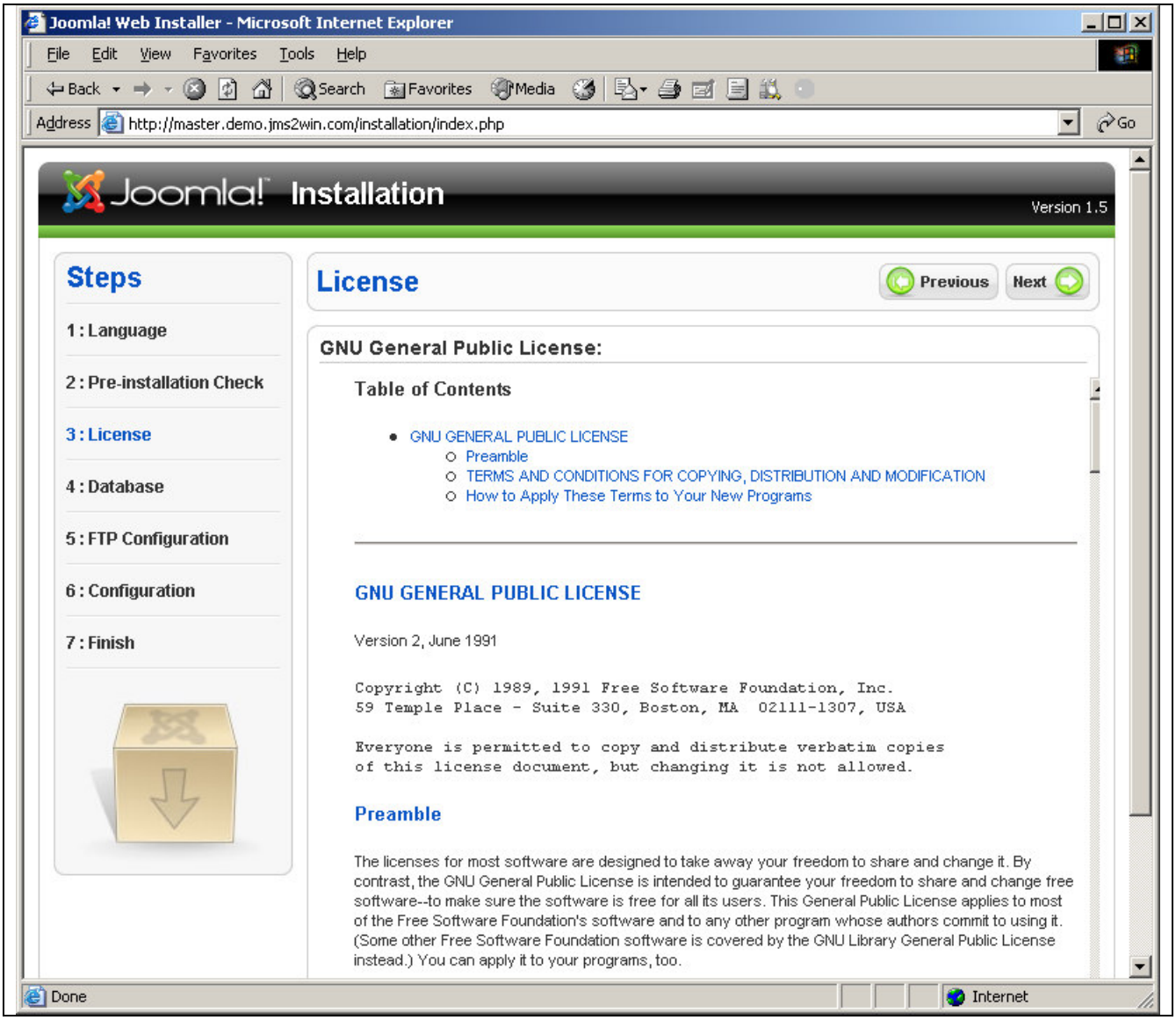


In the case of a single database, the table prefix 'jos_' can not be used.

2. Installation Of the Master




Joomla! Web Installer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://master.demo.jms2win.com/installation/index.php
Go
Joomla! Installation
Version 1.5
Steps
1 : Language
2 : Pre-installation Check
3 : License
4 : Database
5 : FTP Configuration
6 : Configuration
7 : Finish
Pre-installation Check
Check Again
Previous
Next
Pre-installation check for Joomla! 1.5.4 Production/Stable [Naiki] 6-July-2008 22:00 GMT:
If any of these items are not supported (marked as No), your system does not meet the minimum requirements for installation. Please take appropriate actions to correct the errors. Failure to do so could lead to your Joomla! installation not functioning properly.
PHP Version >= 4.3.10 Yes
- Zlib Compression Support Yes
- XML Support Yes
- MySQL Support Yes
MB Language is Default Yes
MB String Overload Off Yes
configuration.php Writable Yes
Recommended Settings:
These are the recommended settings for PHP in order to ensure full compatibility with Joomla!.
Joomla! will still operate even if your settings do not match.
Directive Recommended Actual
Safe Mode: Off Off
Display Errors: Off On
File Uploads: On On
Magic Quotes Runtime: Off Off
Register Globals: Off On
Output Buffering: Off Off
Session Auto Start: Off Off
Joomla! is free software released under the GNU/GPL v2.0 License.
Done
Internet


Joomla! Web Installer - Microsoft Internet Explorer
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6 : Configuration
7 : Finish
License
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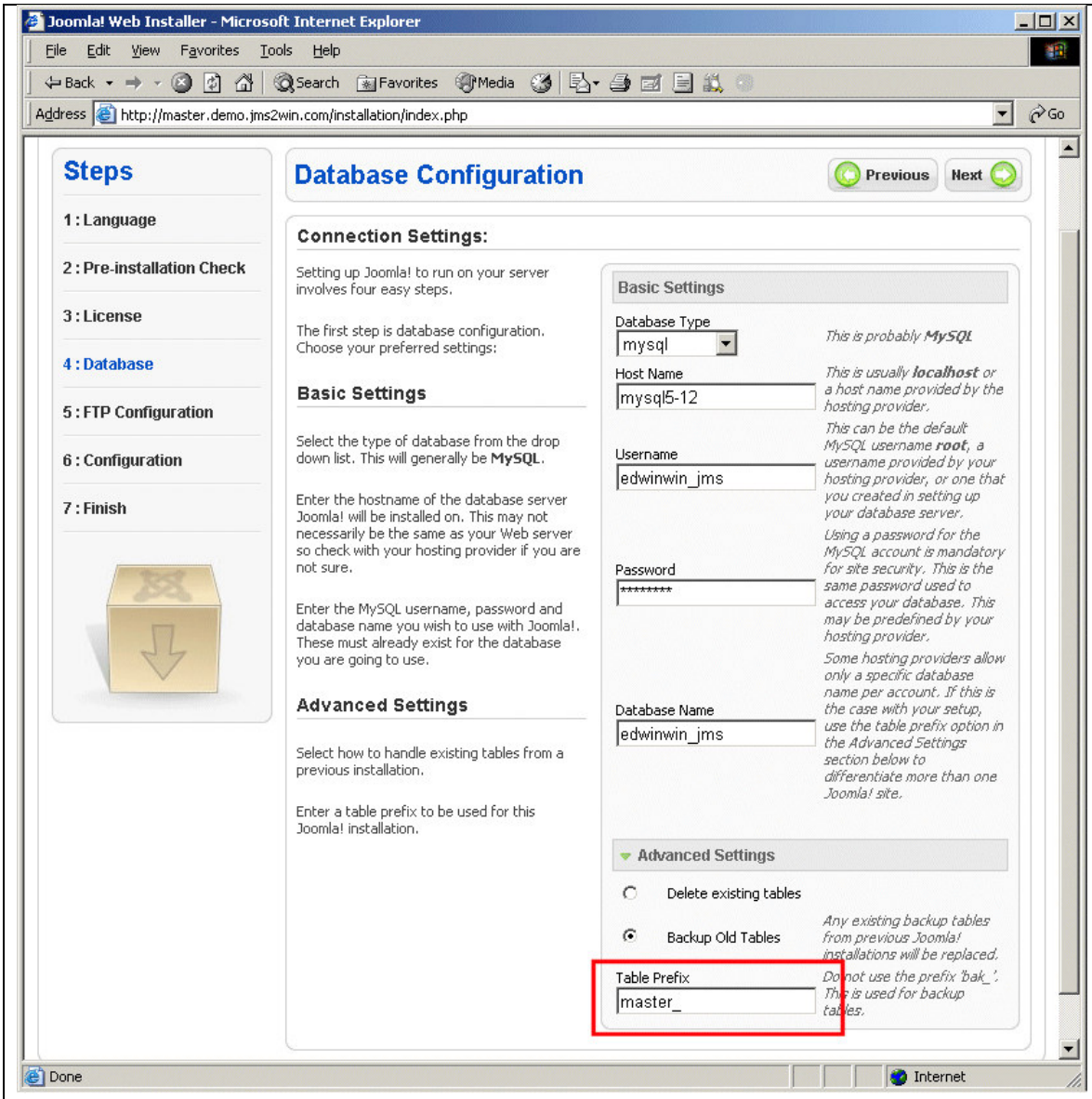
GNU General Public License:
Table of Contents
GNU GENERAL PUBLIC LICENSE
Preamble
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
How to Apply These Terms to Your New Programs
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
Done
Internet

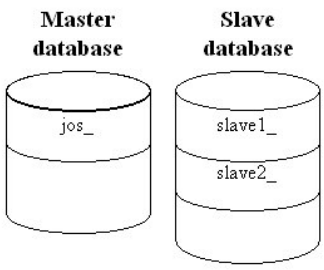


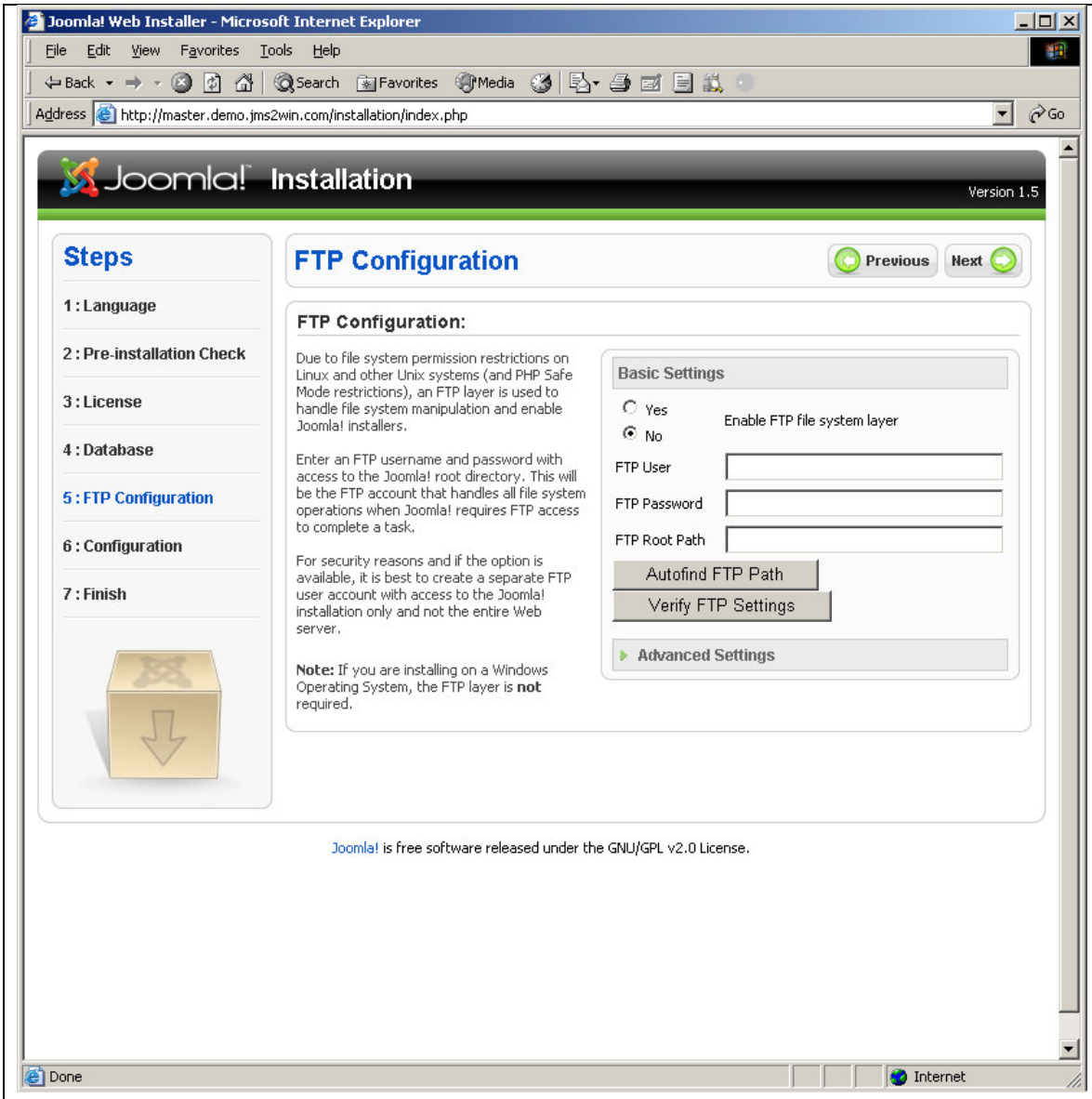
When sharing the same database between the master site and the slave site, the most important is to use another prefix table than 'jos_' for the all sites due to a bug in Joomla standard installation that destroy the users present in jos_. See user's manual for more detail on possible architecture.

Here we have chosen 'master_' table prefix for the master website

For the slave site, we will use the same database with other table prefix (ie. Slave1_, slave2_ …)

If you want to keep 'jos_' table for the master database, in that case, you have to install the slave sites on another database to avoid the deletion of the users.




Joomla! Web Installer - Microsoft Internet Explorer
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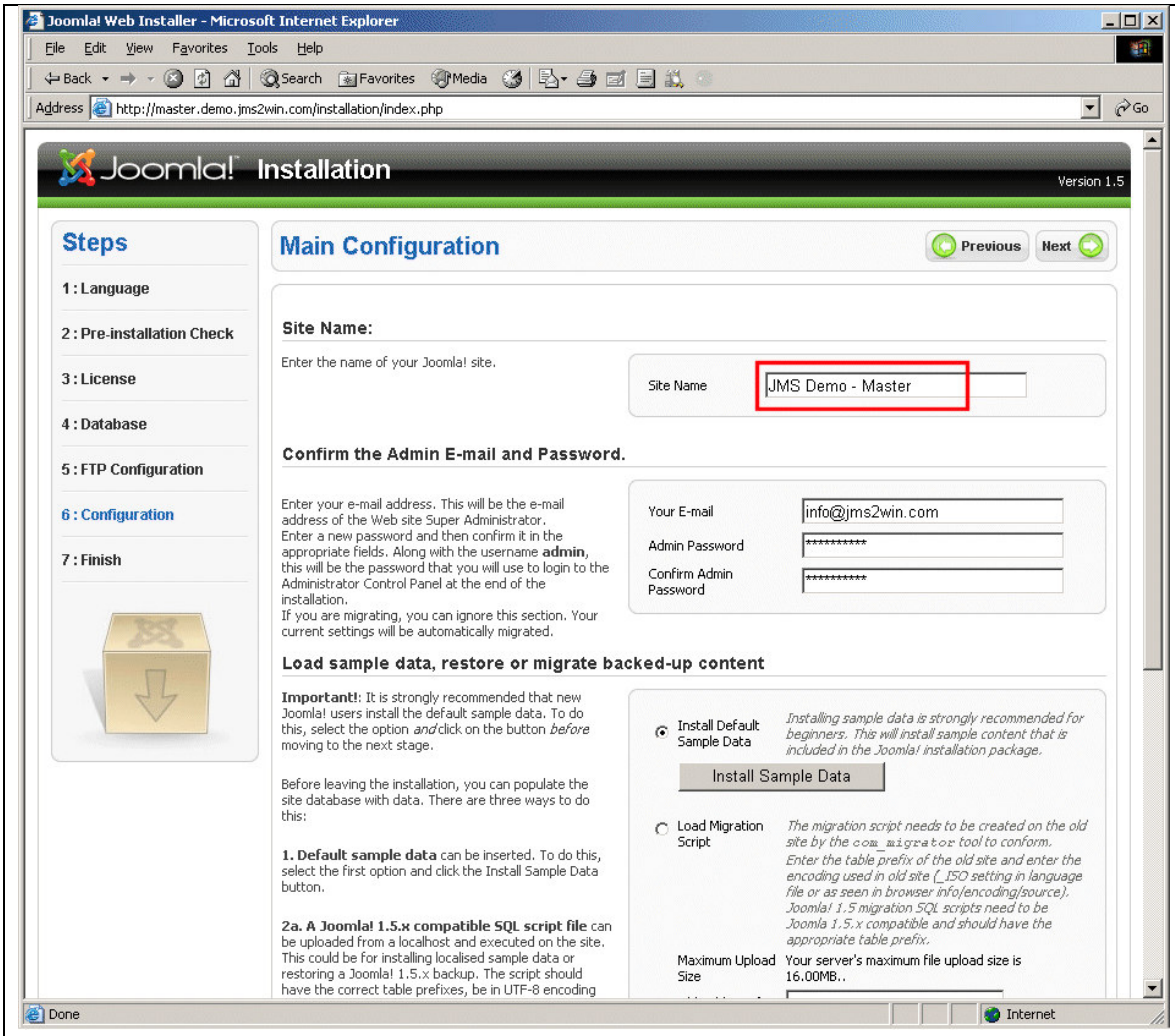
Address http://master.demo.jms2win.com/installation/index.php
Go
Joomla! Installation
Version 1.5
Steps
1 : Language
2 : Pre-installation Check
3 : License
4 : Database
5 : FTP Configuration
6 : Configuration
7 : Finish
FTP Configuration
Previous
Next
FTP Configuration:
Due to file system permission restrictions on Linux and other Unix systems (and PHP Safe Mode restrictions), an FTP layer is used to handle file system manipulation and enable Joomla! installers.
Enter an FTP username and password with access to the Joomla! root directory. This will be the FTP account that handles all file system operations when Joomla! requires FTP access to complete a task.
For security reasons and if the option is available, it is best to create a separate FTP user account with access to the Joomla! installation only and not the entire Web server.
Note: If you are installing on a Windows Operating System, the FTP layer is not required.
Basic Settings
Yes
No
Enable FTP file system layer
FTP User
FTP Password
FTP Root Path
Autofind FTP Path
Verify FTP Settings
Advanced Settings
Joomla! is free software released under the GNU/GPL v2.0 License.
Done
Internet


Joomla! Web Installer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
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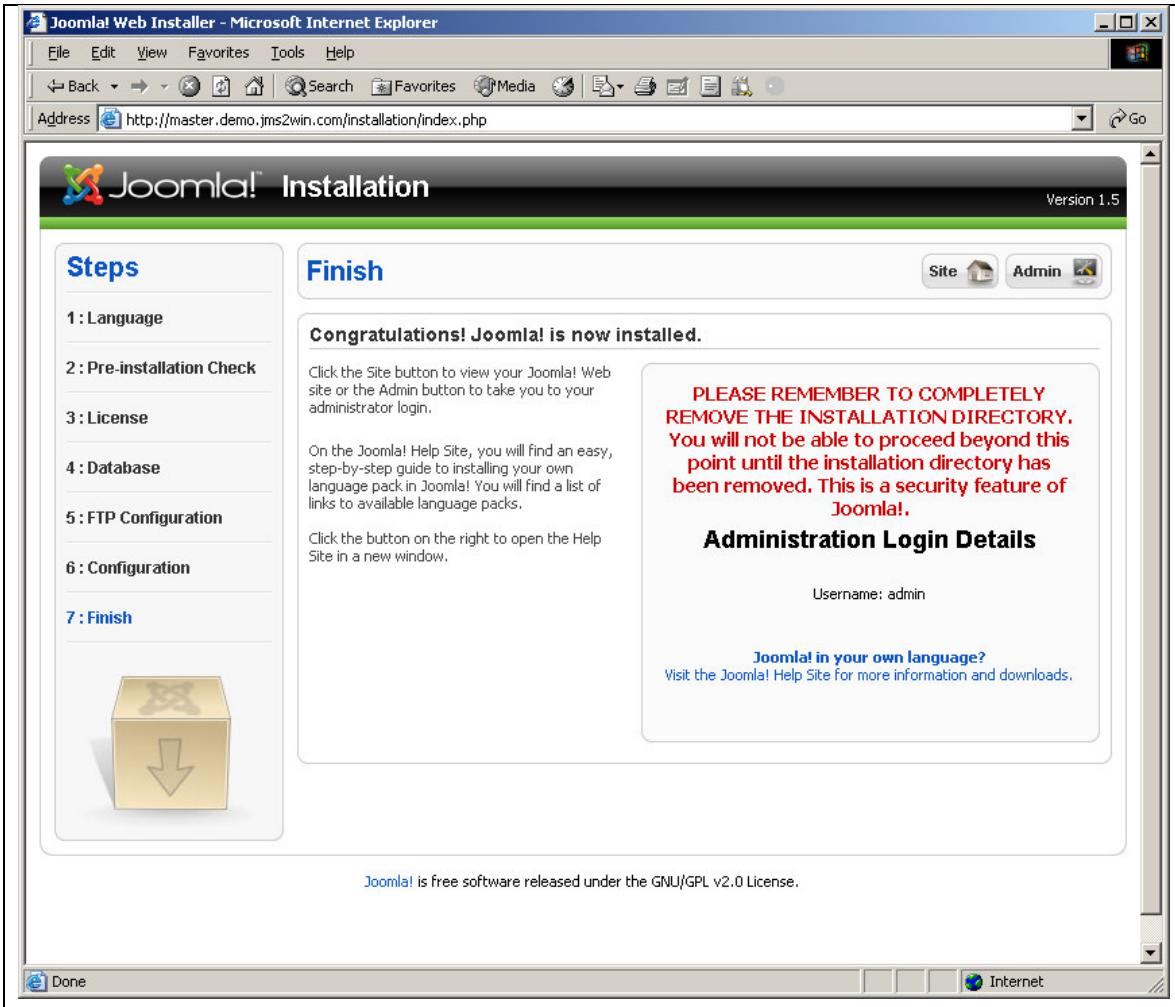
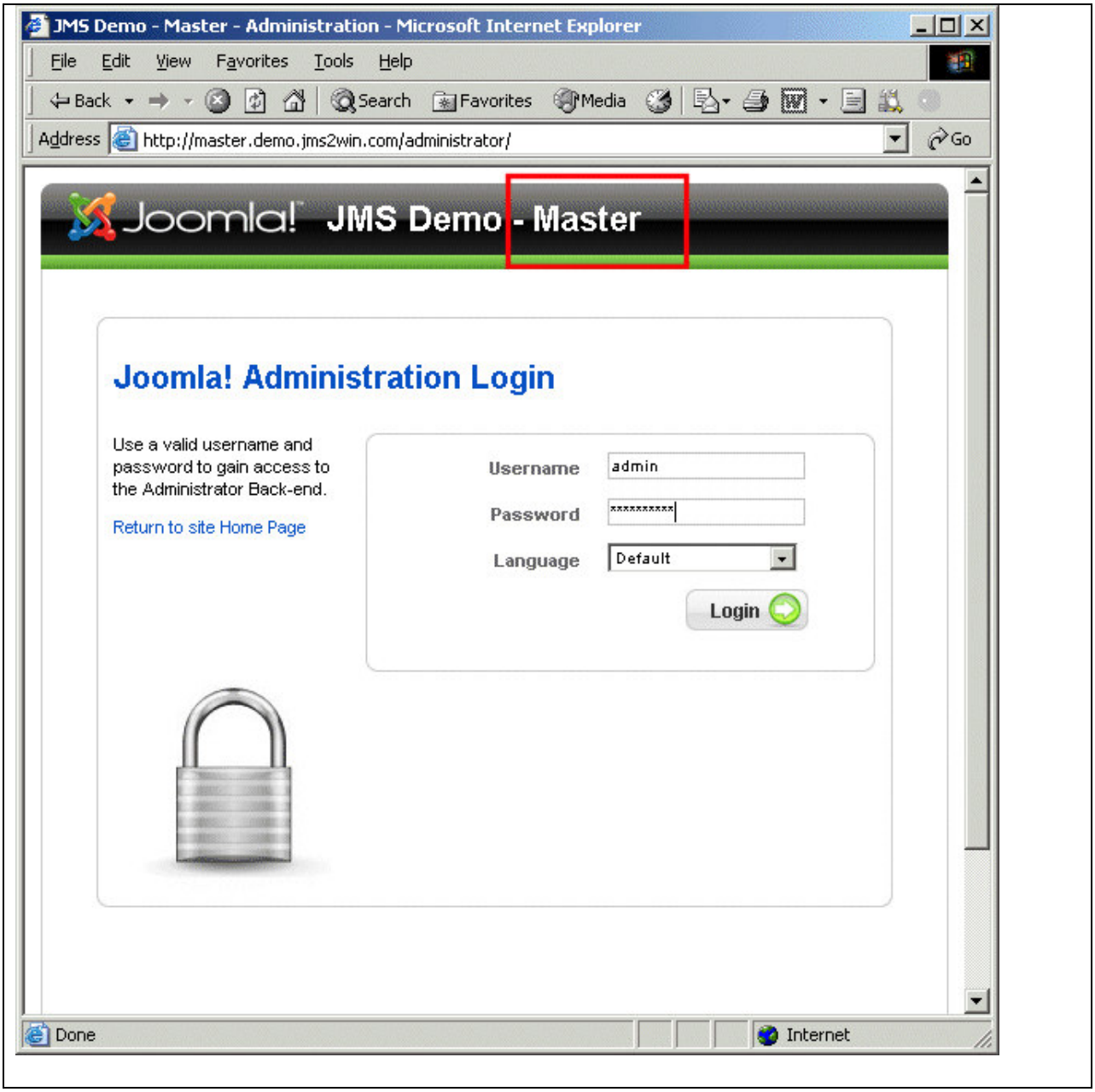
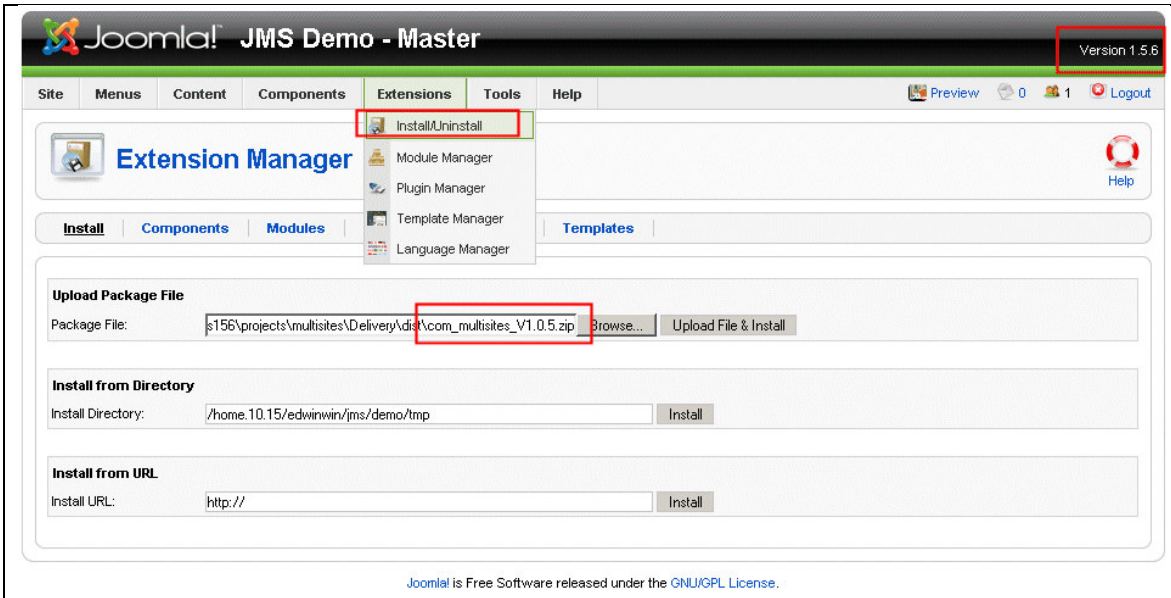
Address http://master.demo.jms2win.com/installation/index.php
Go
Joomla! Installation
Version 1.5
Steps
1 : Language
2 : Pre-installation Check
3 : License
4 : Database
5 : FTP Configuration
6 : Configuration
7 : Finish
Main Configuration
Previous
Next
Site Name:
Enter the name of your Joomla! site.
Site Name
JMS Demo - Master
Confirm the Admin E-mail and Password.
Enter your e-mail address. This will be the e-mail address of the Web site Super Administrator.
Enter a new password and then confirm it in the appropriate fields. Along with the username admin, this will be the password that you will use to login to the Administrator Control Panel at the end of the installation.
If you are migrating, you can ignore this section. Your current settings will be automatically migrated.
Your E-mail
info@jms2win.com
Admin Password
Confirm Admin Password
Load sample data, restore or migrate backed-up content
Important!: It is strongly recommended that new Joomla! users install the default sample data. To do this, select the option and click on the button before moving to the next stage.
Before leaving the installation, you can populate the site database with data. There are three ways to do this:
1. Default sample data can be inserted. To do this, select the first option and click the Install Sample Data button.
2a. A Joomla! 1.5.x compatible SQL script file can be uploaded from a localhost and executed on the site. This could be for installing localised sample data or restoring a Joomla! 1.5.x backup. The script should have the correct table prefixes, be in UTF-8 encoding
Install Default 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
Load Migration Script
The migration script needs to be created on the old site by the com_migrator tool to conform.
Enter the table prefix of the old site and enter the encoding used in old site (_ISO setting in language file or as seen in browser info/encoding/source).
Joomla! 1.5 migration SQL scripts need to be Joomla 1.5.x compatible and should have the appropriate table prefix.
Maximum Upload Size
Your server's maximum file upload size is 16.00MB..
Done
Internet

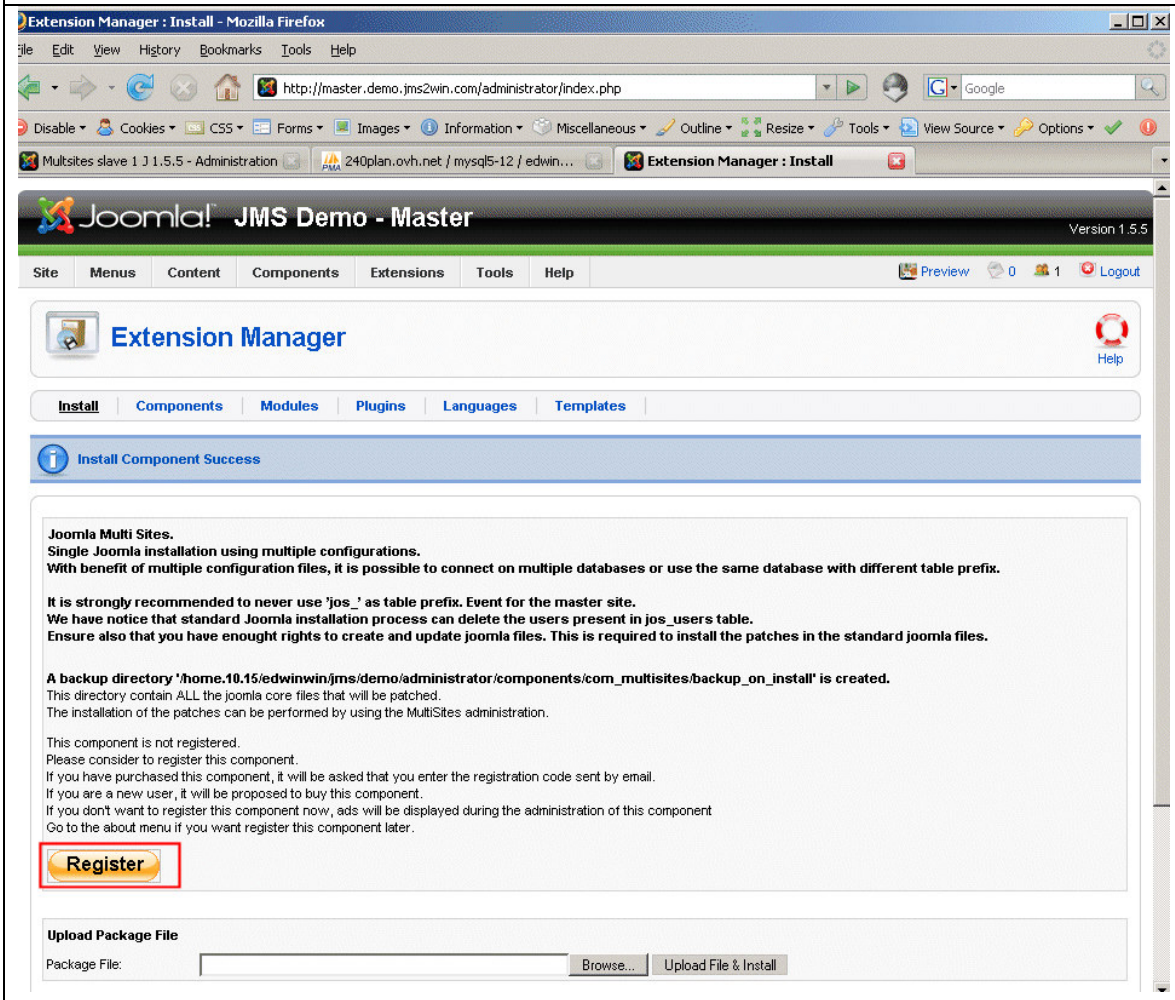


Now we have **renamed** the Standard Joomla Installation file (**installation** directory)

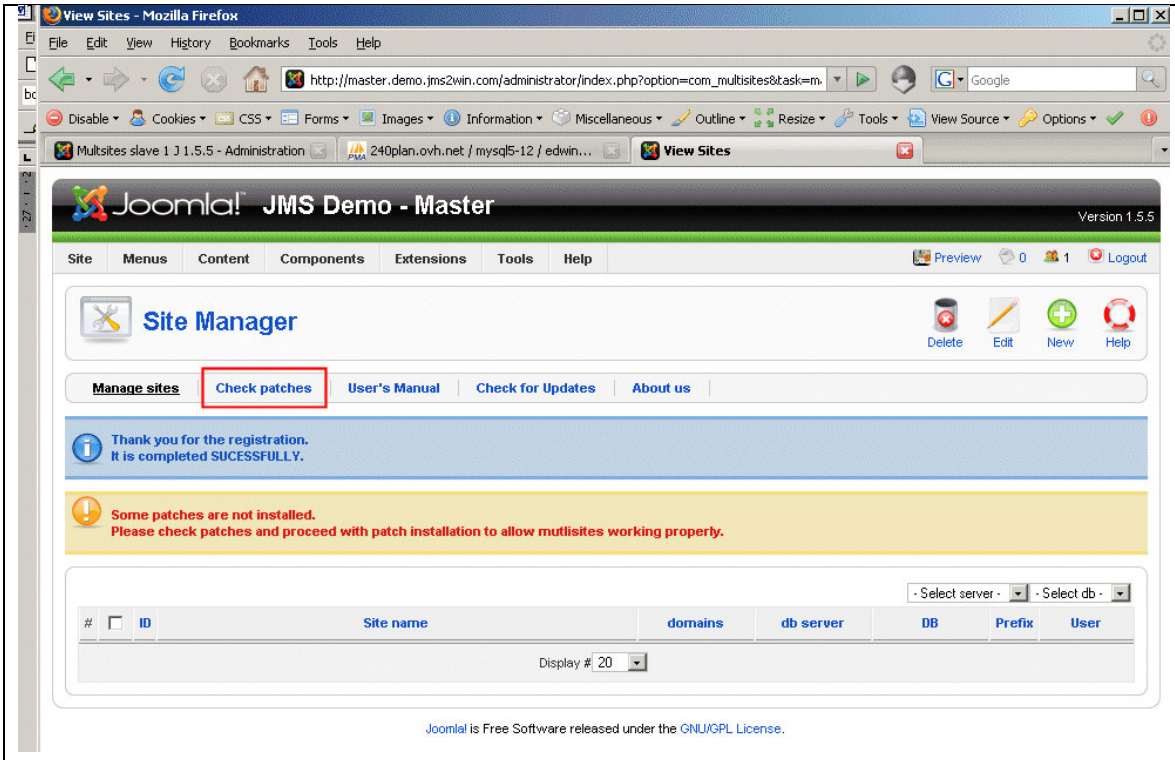
3. Installation Of JMS on the Master site



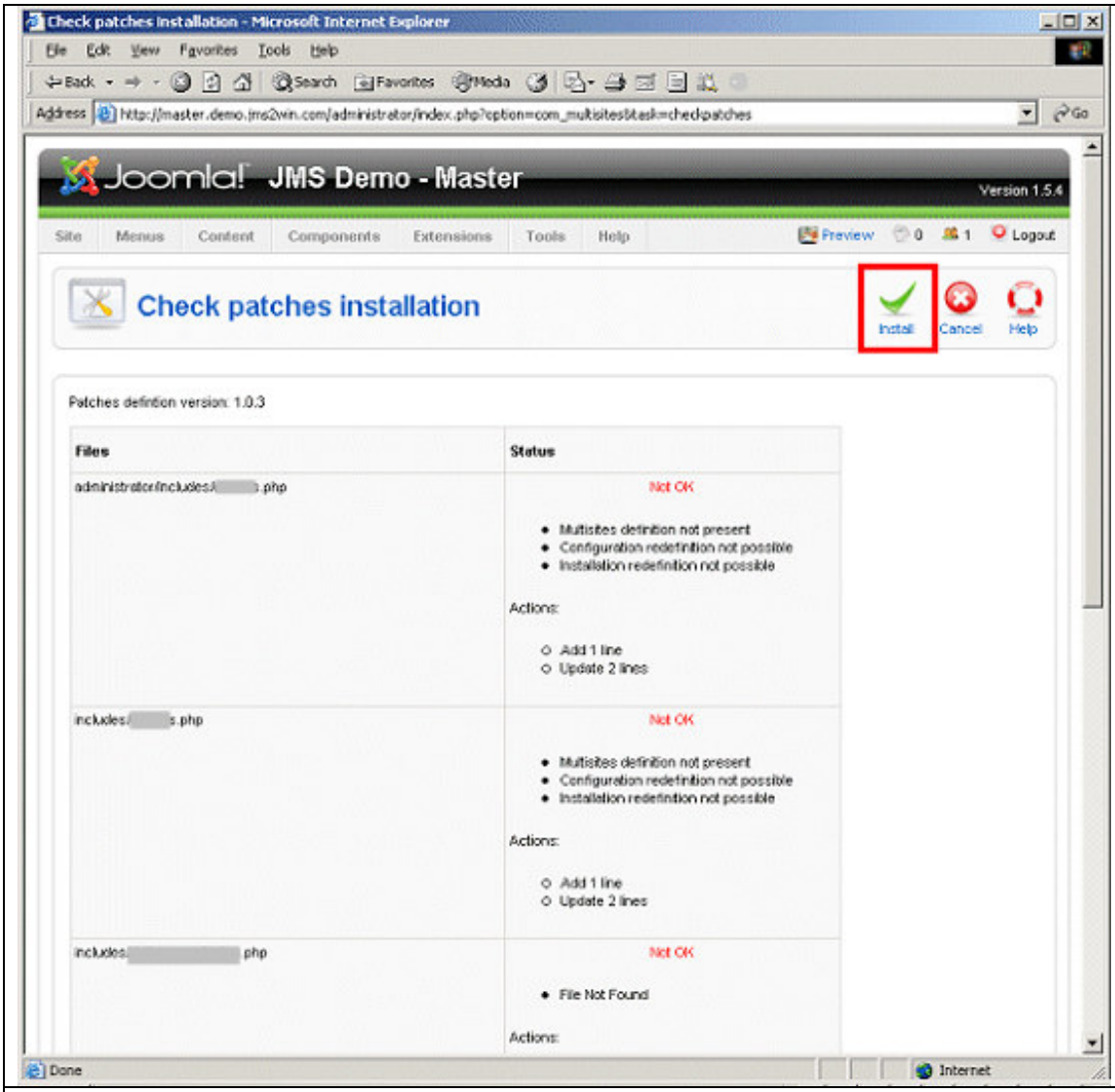




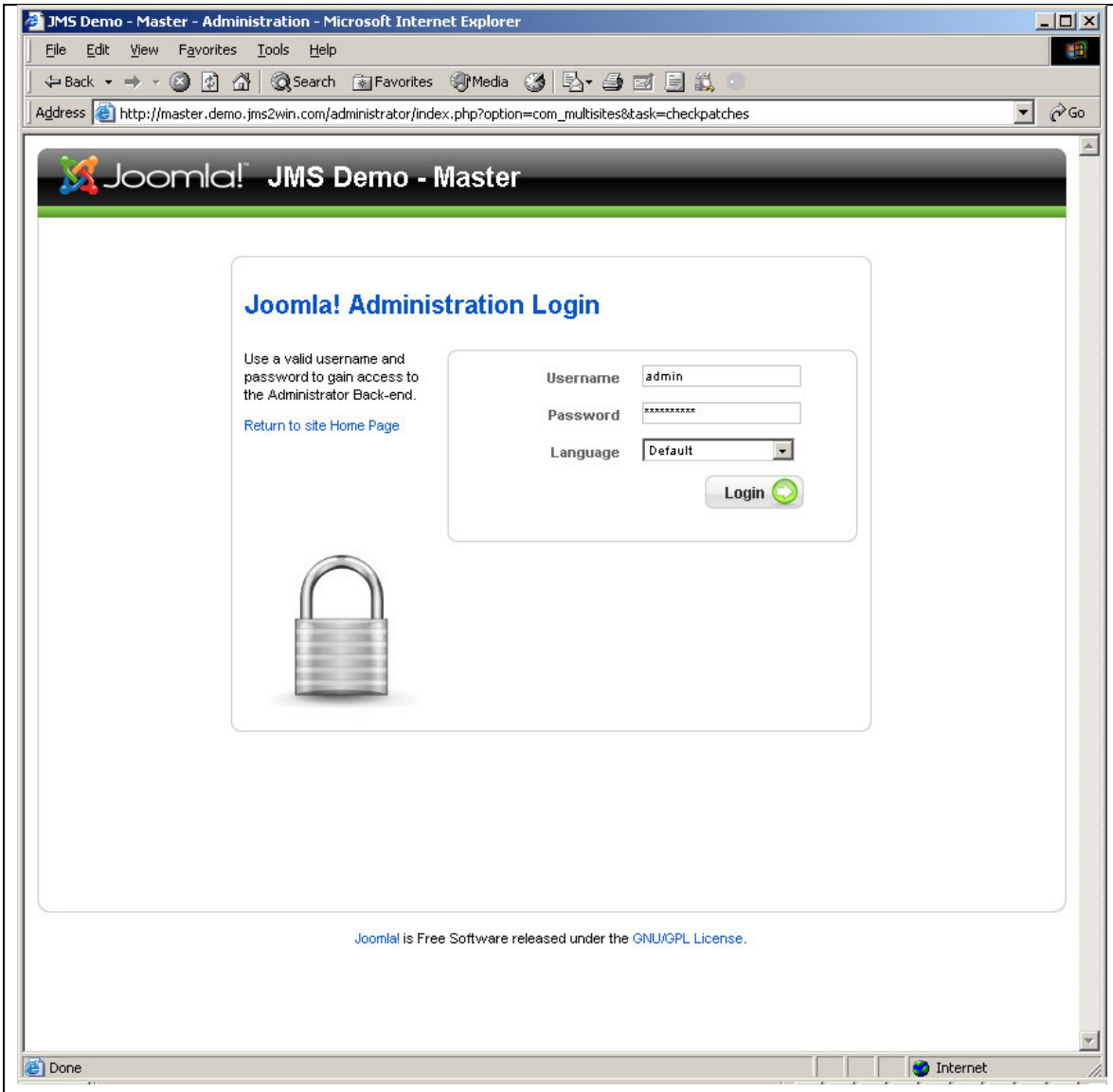
Now I have registered the product



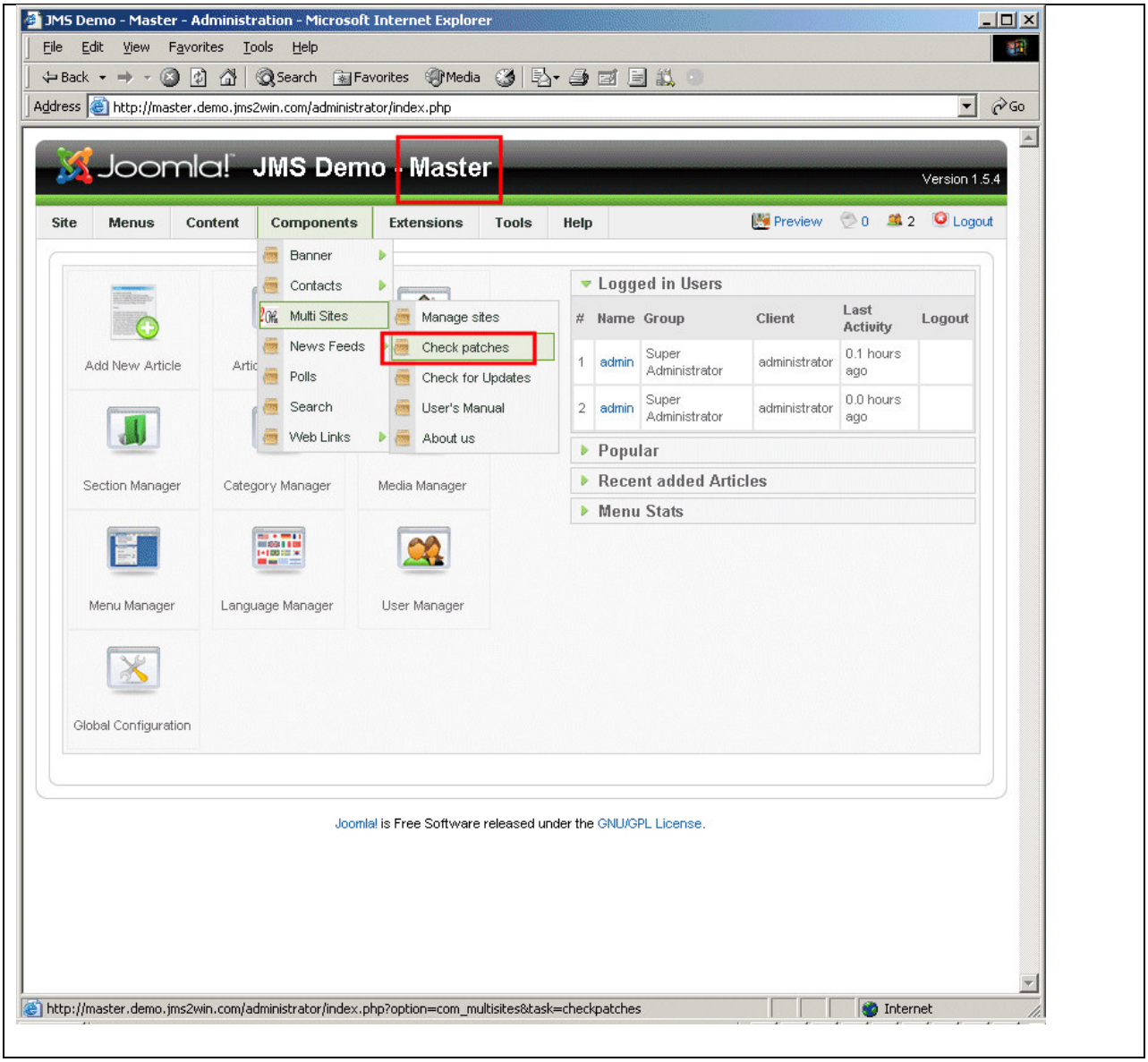
Select Check Patches

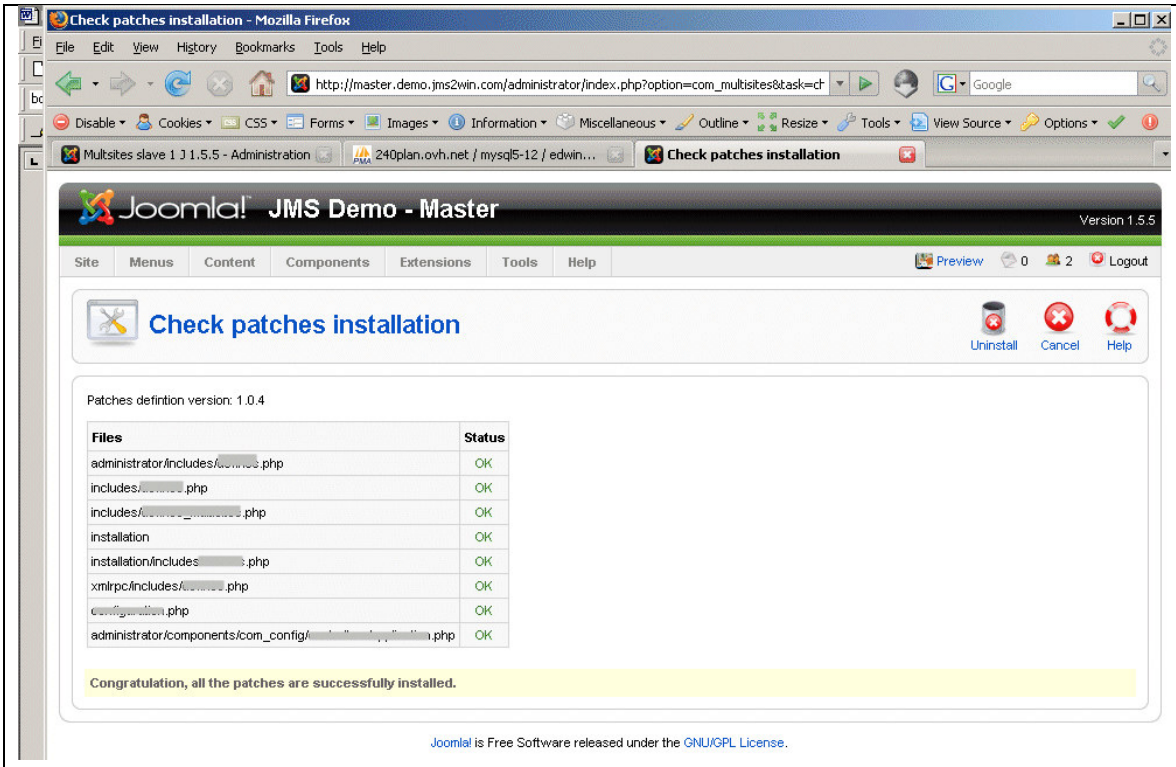


Click on “Install”
After the install, it is probable that you have to login again.



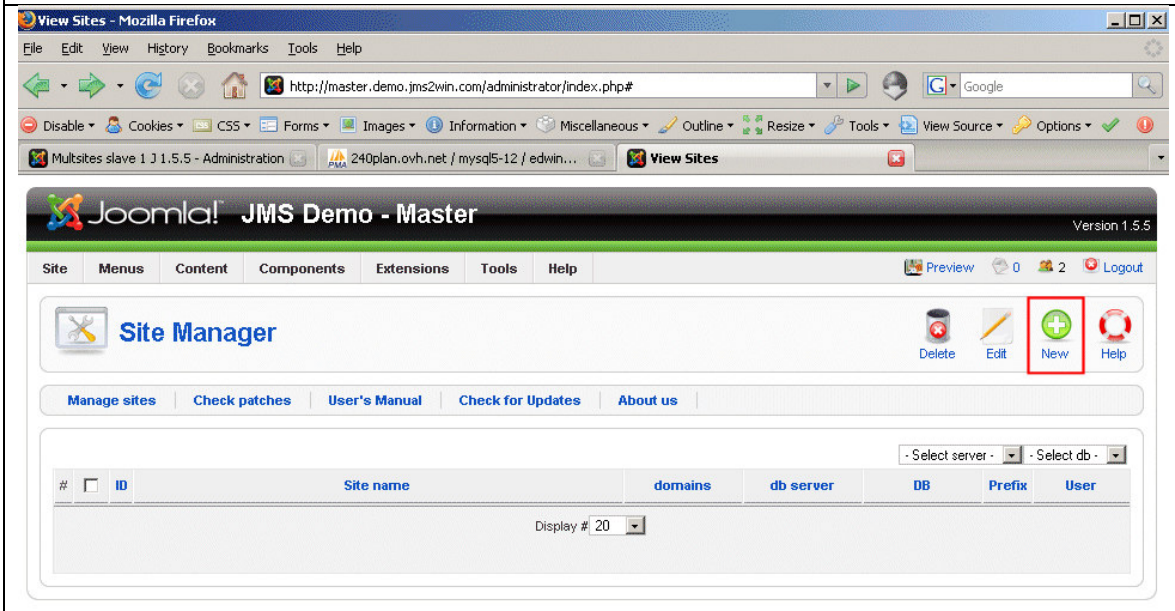
Verify that patches are correctly installed


JMS Demo - Master - Administration - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://master.demo.jms2win.com/administrator/index.php
Go
Joomla! JMS Demo - Master
Version 1.5.4
Site Menus Content Components Extensions Tools Help
Preview 0 2 Logout
Banner
Contacts
Multi Sites
News Feeds
Polls
Search
Web Links
Manage sites
Check patches
Check for Updates
User's Manual
About us
Add New Article
Section Manager
Category Manager
Media Manager
Menu Manager
Language Manager
User Manager
Global Configuration
Logged in Users
Name Group Client Last Activity Logout
1 admin Super Administrator administrator 0.1 hours ago
2 admin Super Administrator administrator 0.0 hours ago
Popular
Recent added Articles
Menu Stats
Joomla! is Free Software released under the GNU/GPL License.
http://master.demo.jms2win.com/administrator/index.php?option=com_multisites&task=checkpatches
Internet



Until here, patches for additional extension does not appears in the list of file to patches as they are not yet installed.

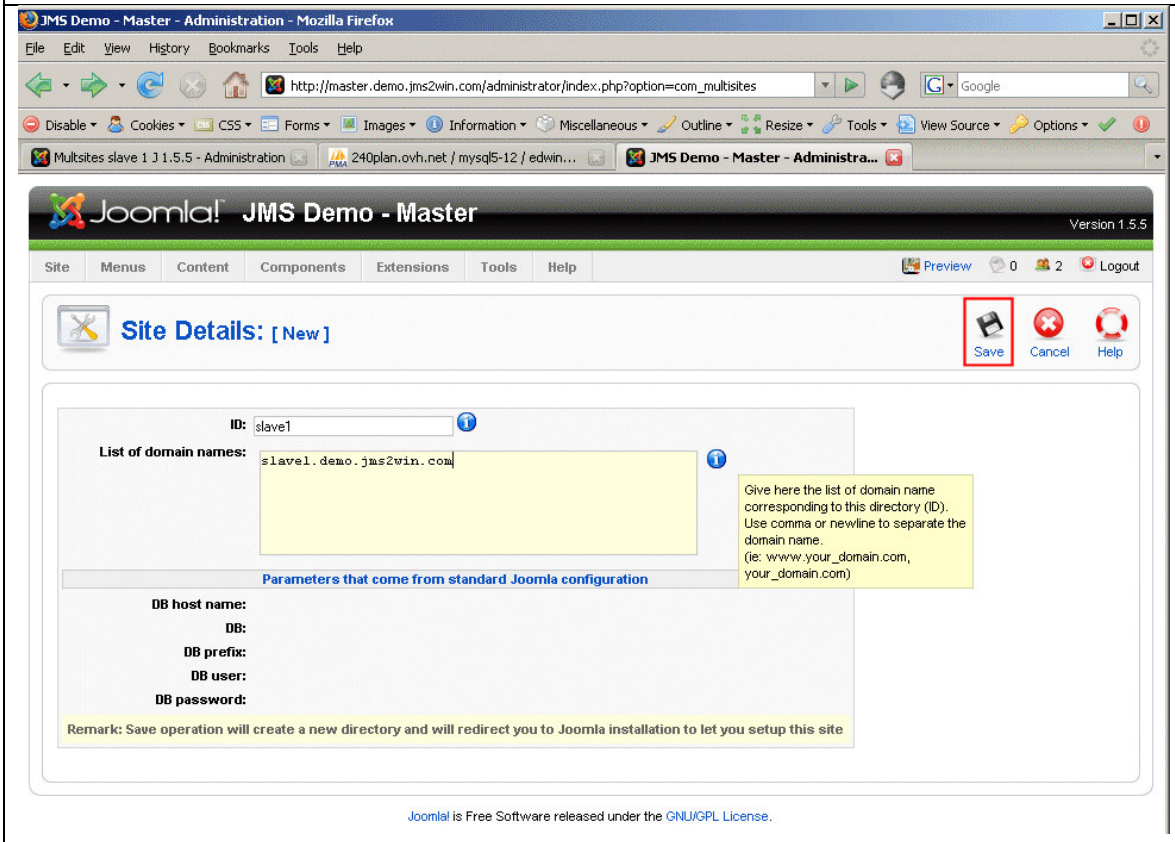
Click on CANCEL to return in the Joomla Multi Sites



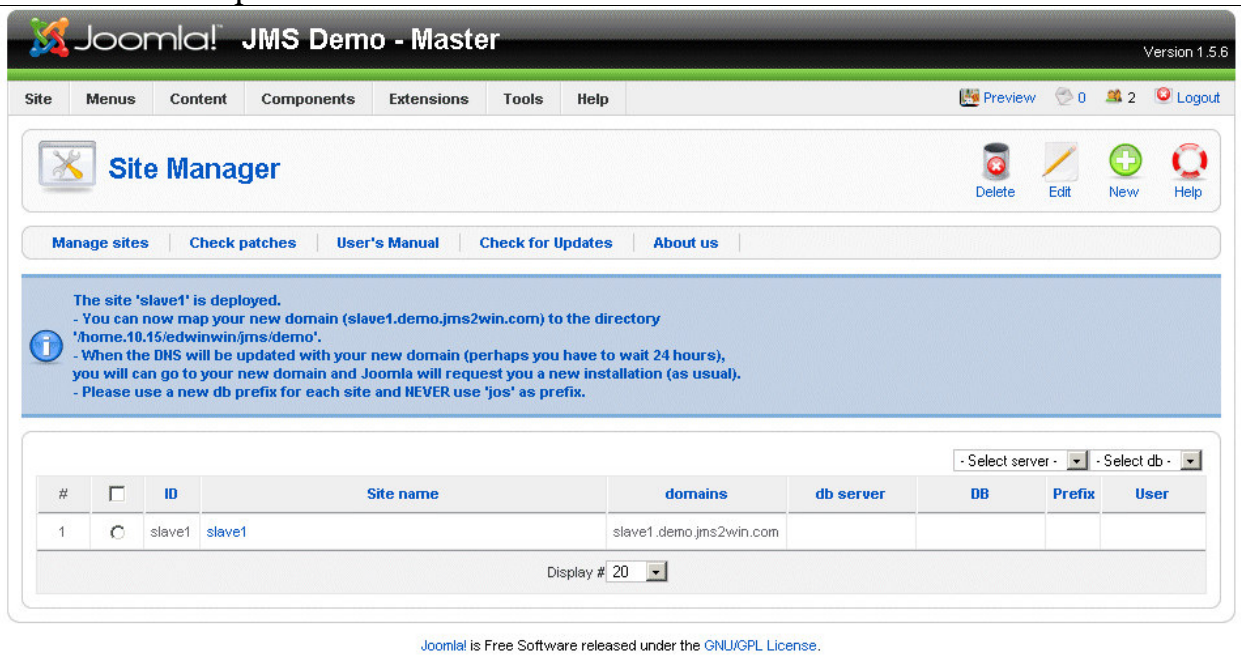
Until here, there is no slave sites.
Lets define some slave sites.
For the demo, we have choosen to create:

- “slave1” for “slave1.demo.jms2win.com”
- “slave2” for “slave2.demo.jms2win.com”
- “x2win” for “www.x2win.eu”

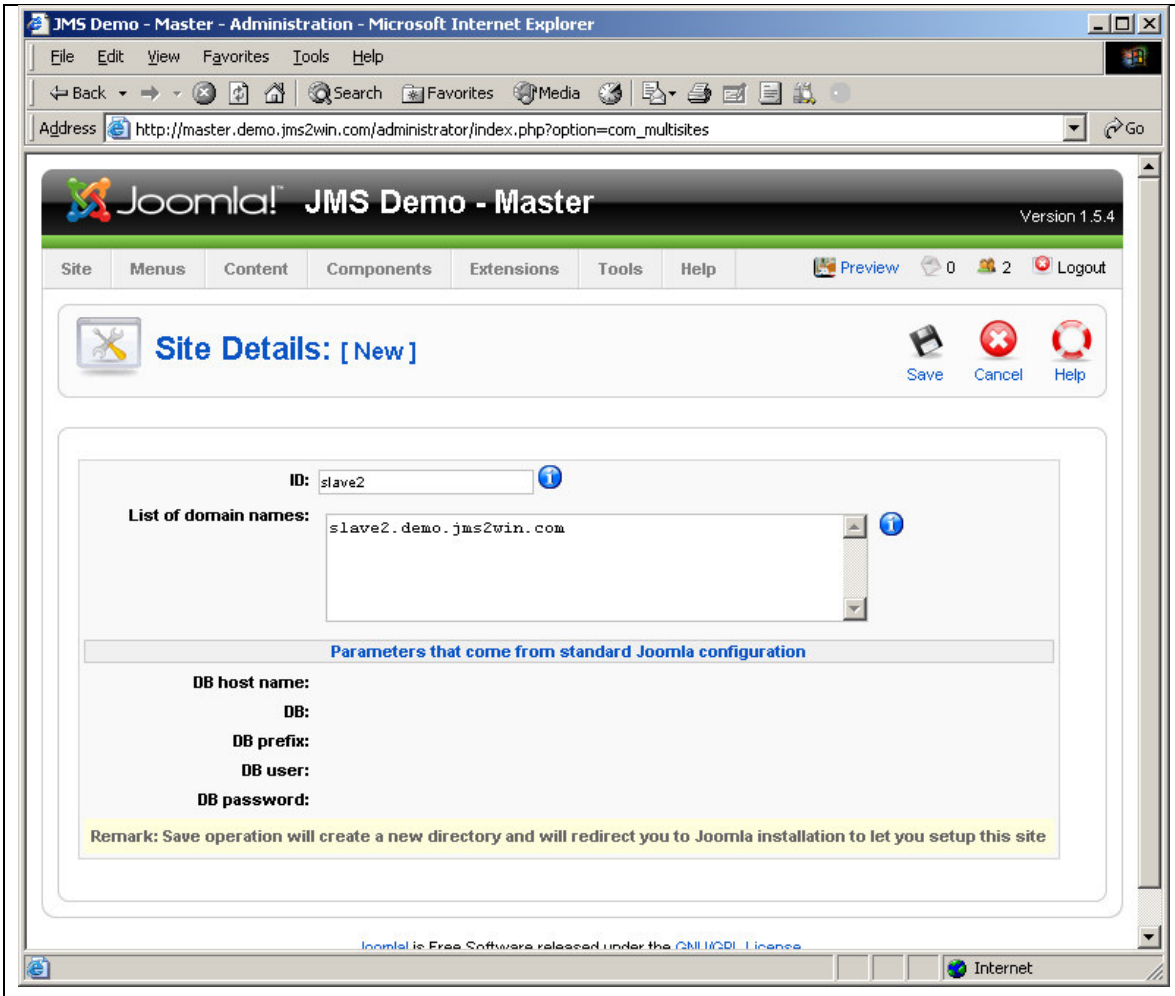
Click on NEW to create a slave site

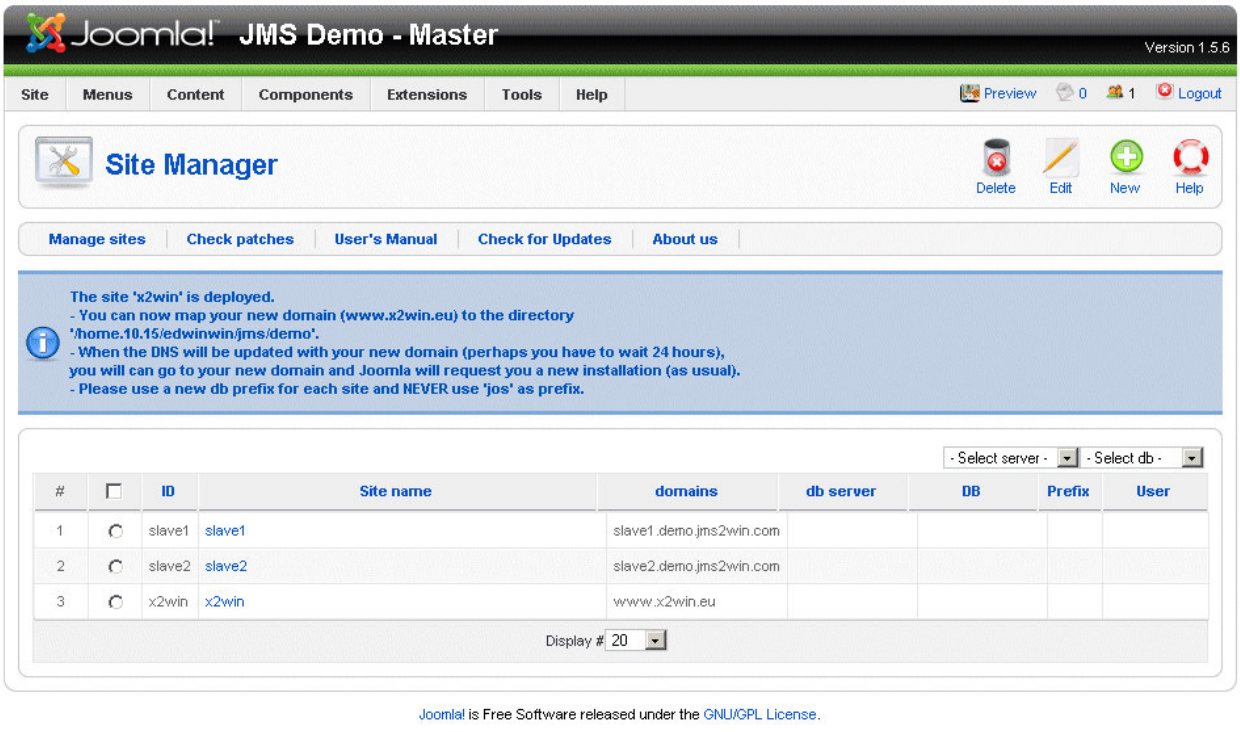


Save the description



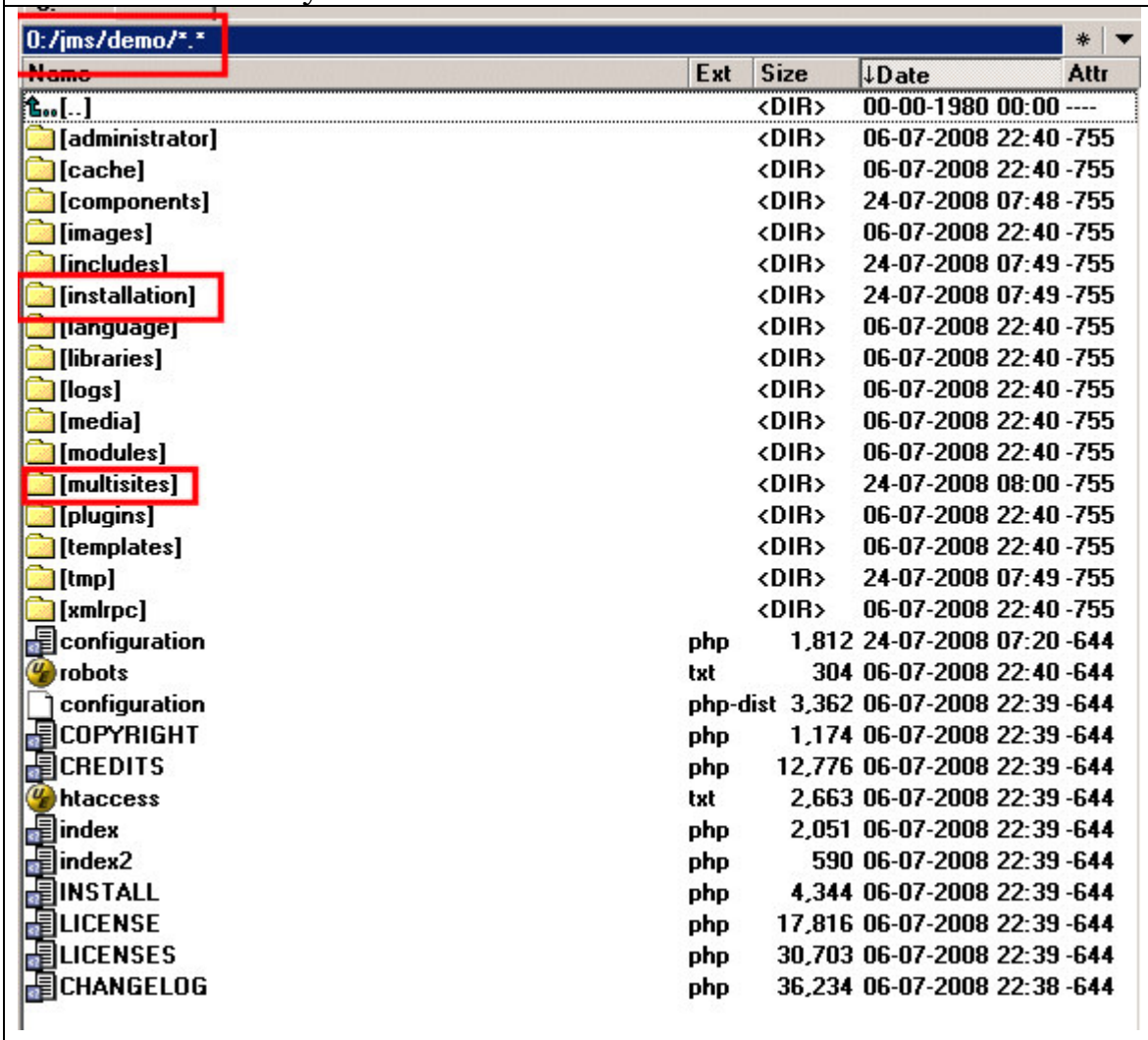
Now repeat the operation for the other slave sites.
In our example, we create the slave2 and x2win

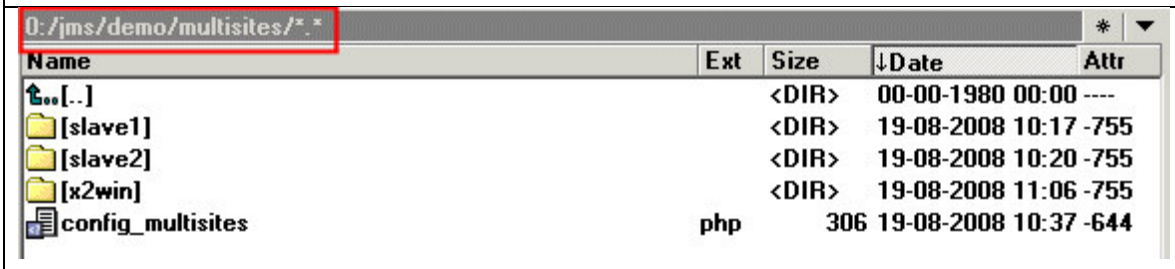




When the installation is completed on the master site, we can see that

installation directory is restored and a “mutisites” directory is created with the slave sites directory.

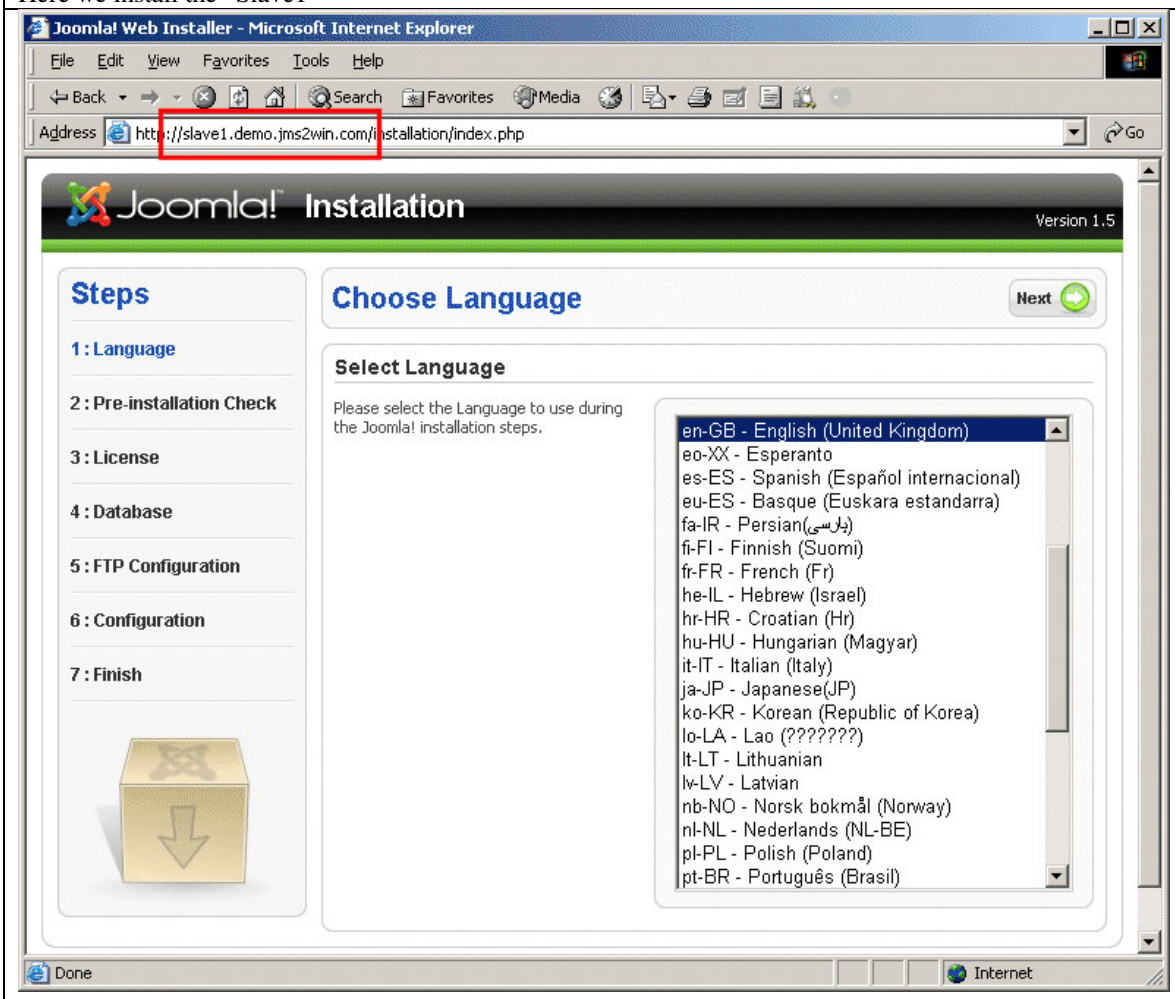




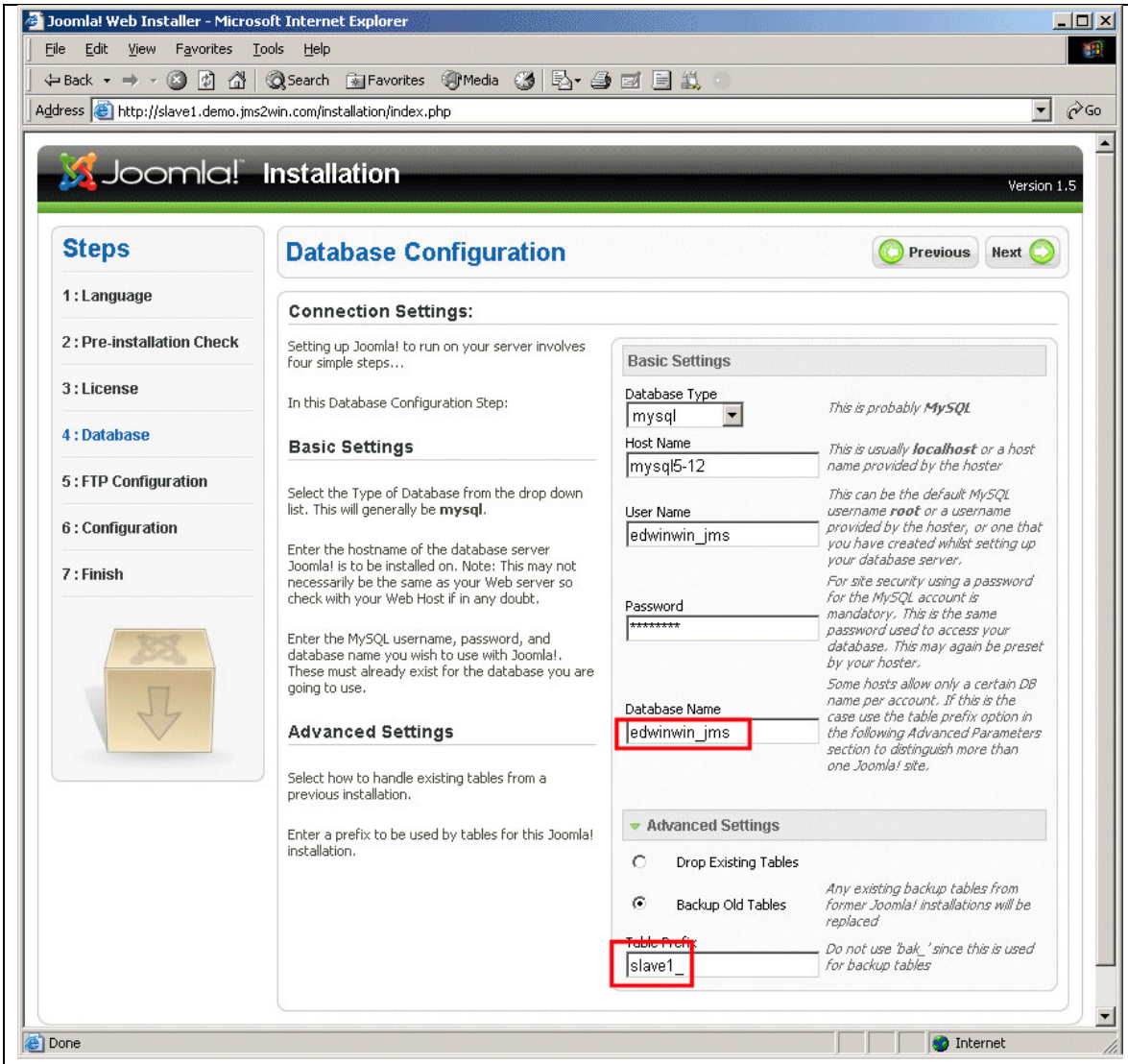
4. Installation Of the Slave Sites

Now, as the slave sites are defined, it is possible to connect on your domain slave sites and repeat the Joomla Installation.

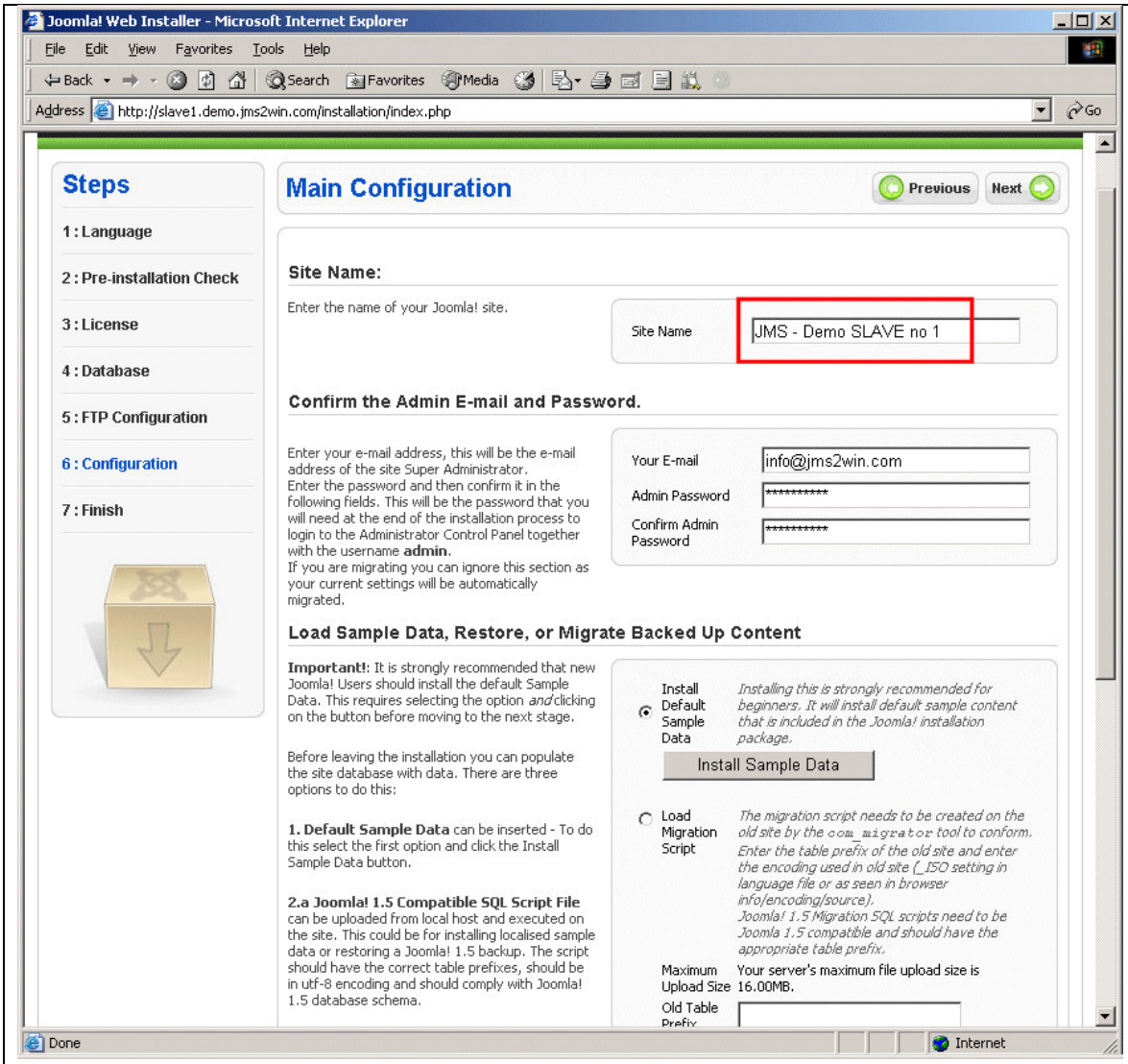
Here we install the "Slave1"

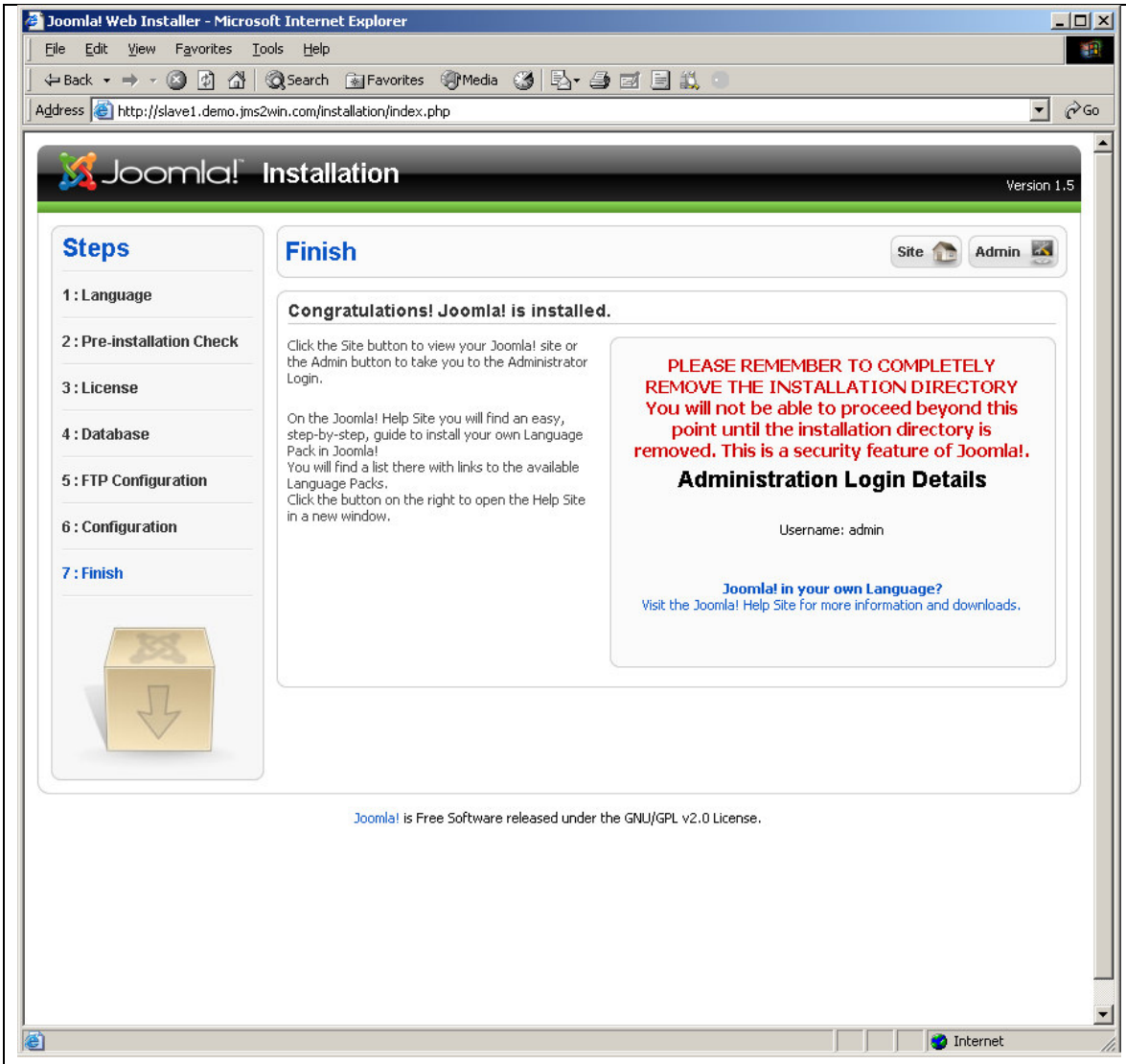


Continue the Joomla Installation until you arrive to the database definition.
In our sample, we have selected the same database than the master but we have change the table prefix "slave1_"

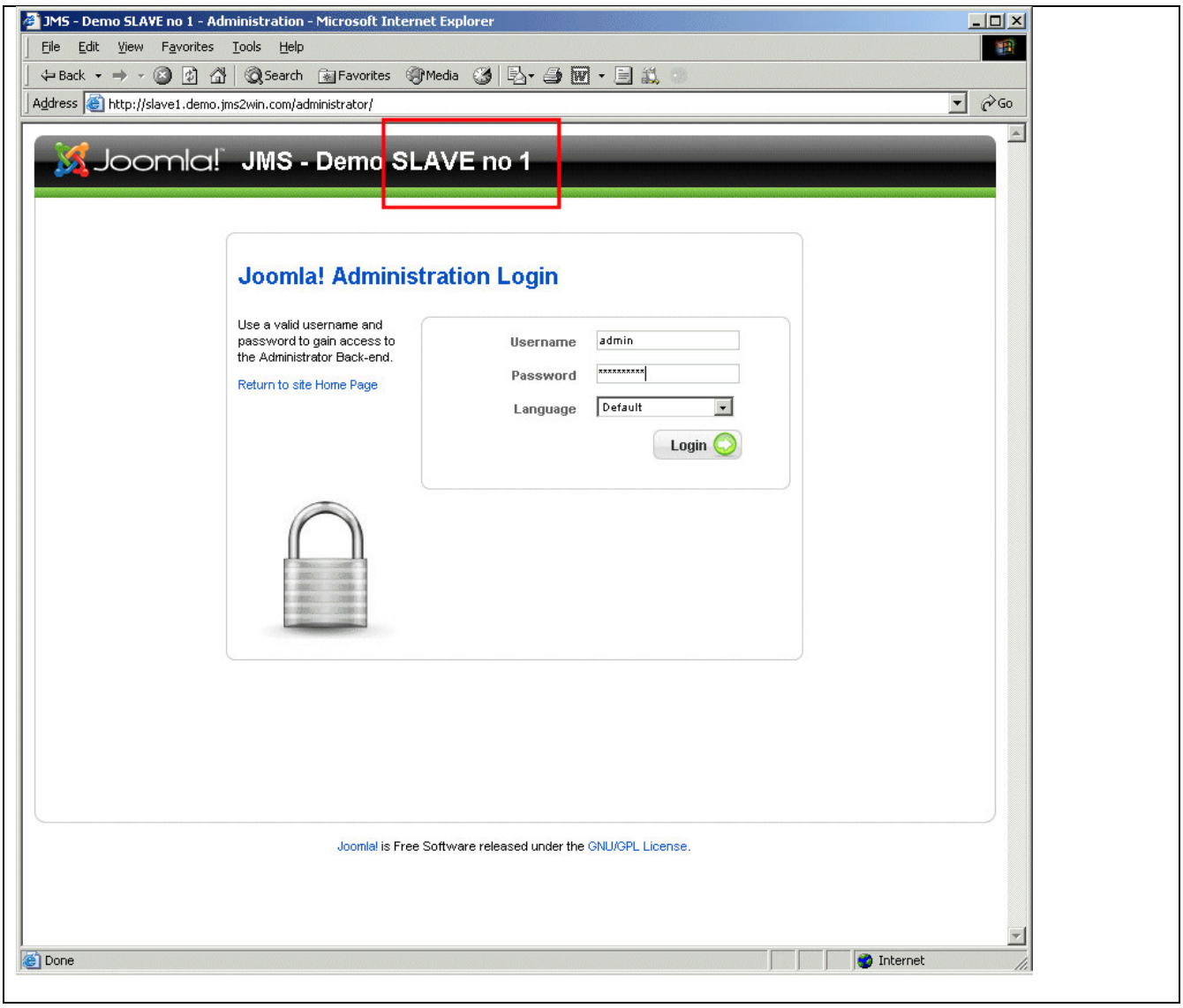


In our sample, we continue until the main configuration is require and we give another title to the site


Joomla! Web Installer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://slave1.demo.jms2win.com/installation/index.php
Go
Steps
1 : Language
2 : Pre-installation Check
3 : License
4 : Database
5 : FTP Configuration
6 : Configuration
7 : Finish
Main Configuration
Previous
Next
Site Name:
Enter the name of your Joomla! site.
Site Name
JMS - Demo SLAVE no 1
Confirm the Admin E-mail and Password.
Enter your e-mail address, this will be the e-mail address of the site Super Administrator.
Enter the password and then confirm it in the following fields. This will be the password that you will need at the end of the installation process to login to the Administrator Control Panel together with the username admin.
If you are migrating you can ignore this section as your current settings will be automatically migrated.
Your E-mail
info@jms2win.com
Admin Password
Confirm Admin Password
Load Sample Data, Restore, or Migrate Backed Up Content
Important!: It is strongly recommended that new Joomla! Users should install the default Sample Data. This requires selecting the option and clicking on the button before moving to the next stage.
Before leaving the installation you can populate the site database with data. There are three options to do this:
1. Default Sample Data can be inserted - To do this select the first option and click the Install Sample Data button.
2.a Joomla! 1.5 Compatible SQL Script File can be uploaded from local host and executed on the site. This could be for installing localised sample data or restoring a Joomla! 1.5 backup. The script should have the correct table prefixes, should be in utf-8 encoding and should comply with Joomla! 1.5 database schema.
Install Default Sample Data
Installing this is strongly recommended for beginners. It will install default sample content that is included in the Joomla! installation package.
Install Sample Data
Load Migration Script
The migration script needs to be created on the old site by the com_migrator tool to conform. Enter the table prefix of the old site and enter the encoding used in old site (_ISO setting in language file or as seen in browser info/encoding/source).
Joomla! 1.5 Migration SQL scripts need to be Joomla 1.5 compatible and should have the appropriate table prefix.
Maximum Upload Size
Your server's maximum file upload size is 16.00MB.
Old Table Prefix
Done
Internet

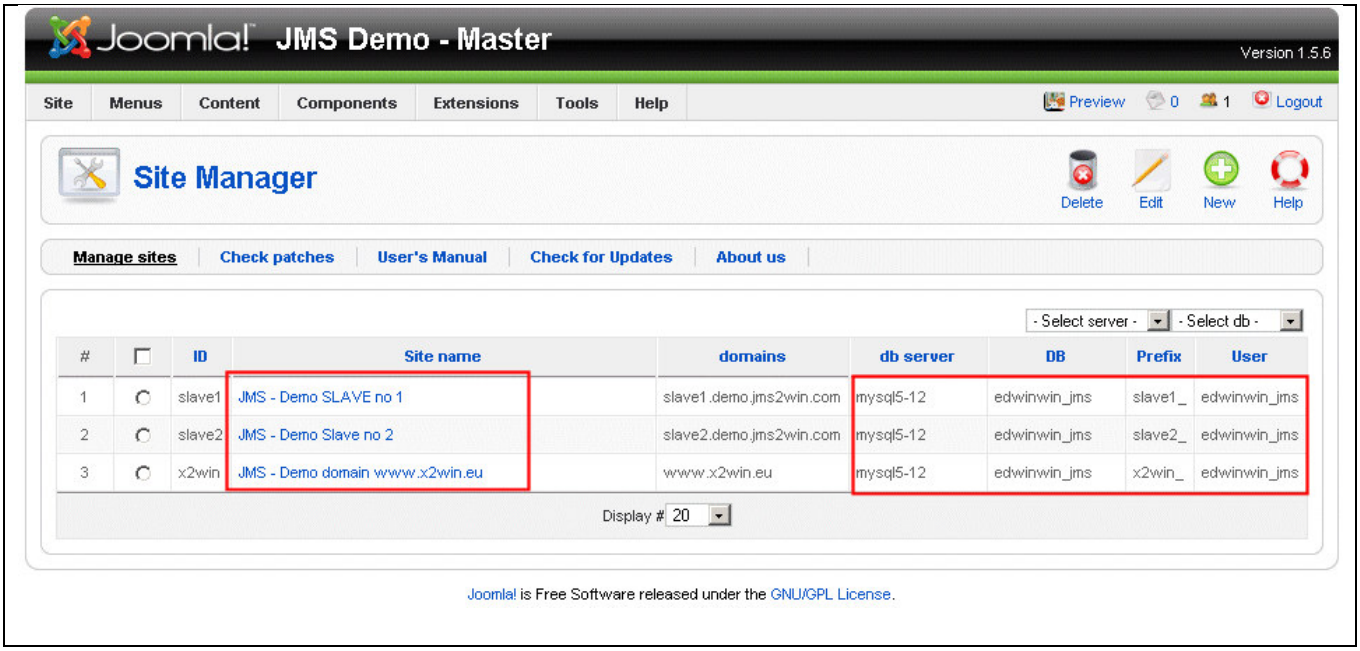


When you have the screen to remove the installation directory, **DO NOT REMOVE** the directory.
As you have installed JMS, the installation directory MUST always be present to allow re-install other websites.
You can directly select administration.



Now you can repeat the operation for the other slave sites.
In our demo, we have create Slave2

You can supervise the installation of the slave sites when you go into the master / manage sites. This show you the site names and database parameters.


Joomla! JMS Demo - Master
Version 1.5.6
Site
Menus
Content
Components
Extensions
Tools
Help
Preview
0
1
Logout
Site Manager
Delete
Edit
New
Help
Manage sites
Check patches
User's Manual
Check for Updates
About us
- Select server -
- Select db -
ID Site name domains db server DB Prefix User
1 slave1 JMS - Demo SLAVE no 1 slave1.demo.jms2win.com mysql5-12 edwinwin_jms slave1_ edwinwin_jms
2 slave2 JMS - Demo Slave no 2 slave2.demo.jms2win.com mysql5-12 edwinwin_jms slave2_ edwinwin_jms
3 x2win JMS - Demo domain www.x2win.eu www.x2win.eu mysql5-12 edwinwin_jms x2win_ edwinwin_jms
Display # 20
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5. Selection of different default template on each Sites

We received multiple questions concerning the template and if each site can select its own default template.
The answer is YES. Each website can select it own default template.
The particularity of the Template and Languages is that they are only installed on the Master site. The installation on a slave site is disabled.

In our demo, we have used different default of Joomla standard 1.5.6

Master	rhuk_milkyway
Slave 1	JA_Purity
Slave 2	beez
X2win	beez