



Joomla Multi Sites

Demo JMS Installation

November 2008

<i>Project:: Joomla Multi Sites</i>	<i>Customer: X</i>
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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
1.1.0	20-nov-2008	Update screen with JMS version 1.1.0 that use Joomla 1.5.8

1. Introduction

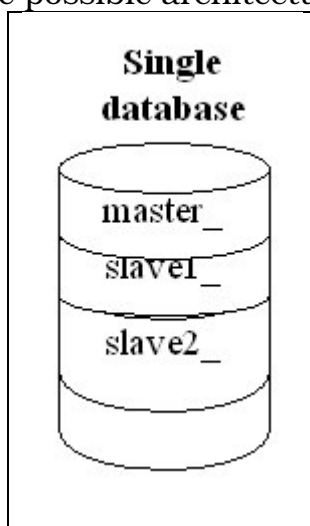
This document is a demonstration of the Joomla Multi Sites installation procedure. It shows you the installation of a Master site and three slave sites.

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.

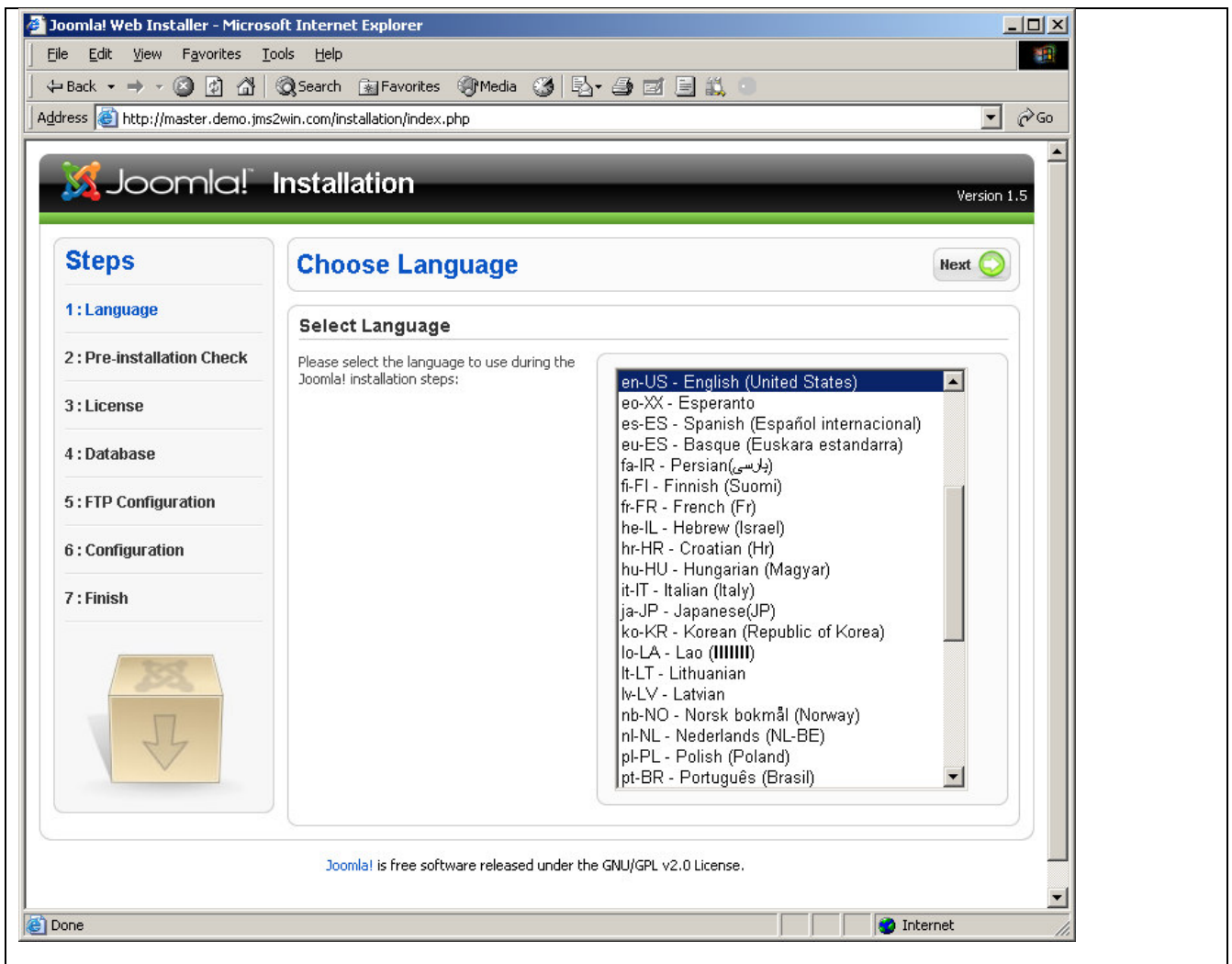
In the current demonstration we have used a single database to store the content of all the websites. We have choosen this particular architecture because there are some constrain that must be respected to avoid conflict between the websites.

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! 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](#)
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Pre-installation check for Joomla! 1.5.8 Production/Stable [Wohnaiki] 10-November-2008 23:00 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

Joomla! Web Installer - Microsoft Internet Explorer

File Edit View Favorites Tools Help


Address <http://master.demo.jms2win.com/installation/index.php>

Joomla! Installation

Version 1.5

Steps

- 1: Language
- 2: Pre-installation Check
- 3: License**
- 4: Database
- 5: FTP Configuration
- 6: Configuration
- 7: Finish



License

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 - [Preamble](#)
 - [TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION](#)
 - [How to Apply These Terms to Your New Programs](#)

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Version 2, June 1991

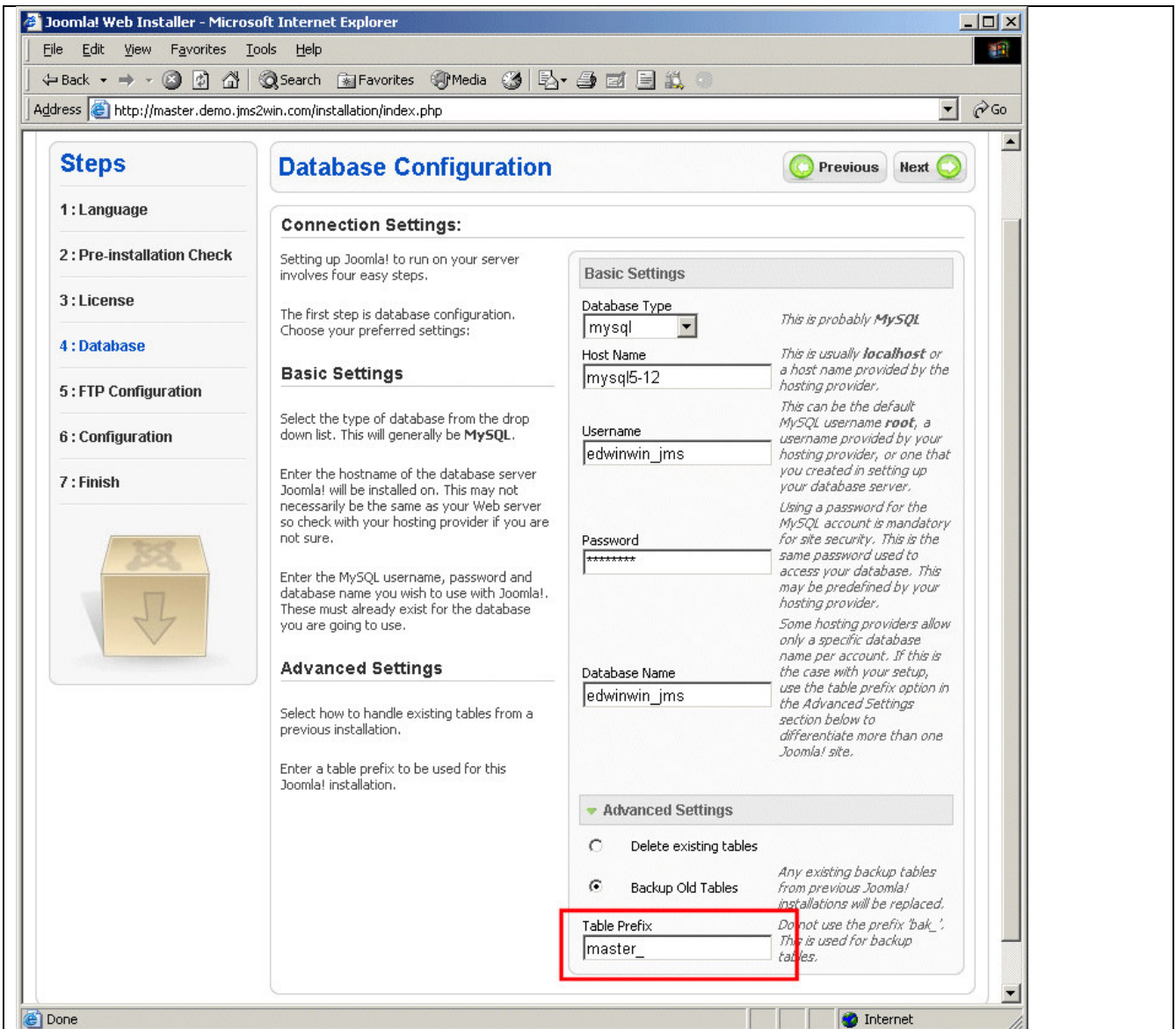
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[Preamble](#)

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

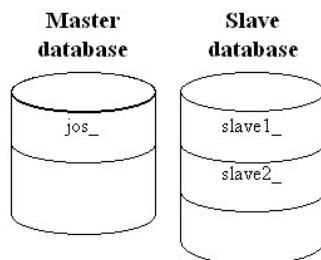


When sharing the same database between the master site and the slave site, the most important is to use another prefix table than 'jos_' for the all sites due to a bug in Joomla standard installation that destroy the users present in jos_. See user's manual for more detail on possible architecture.

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.



The screenshot shows the Joomla! Web Installer interface in Microsoft Internet Explorer. The browser's address bar displays `http://master.demo.jms2win.com/installation/index.php`. The Joomla! logo and "Installation Version 1.5" are visible at the top. A sidebar on the left lists the installation steps: 1: Language, 2: Pre-installation Check, 3: License, 4: Database, 5: FTP Configuration (highlighted), 6: Configuration, and 7: Finish. Below the sidebar is a download icon. The main content area is titled "FTP Configuration" and includes a "Previous" and "Next" navigation bar. The "FTP Configuration" section contains the following text: "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." It then instructs the user to "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." A note states: "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." A "Note" at the bottom of the section reads: "Note: If you are installing on a Windows Operating System, the FTP layer is not required." The "Basic Settings" section includes radio buttons for "Yes" and "No" (selected) under "Enable FTP file system layer". Below this are input fields for "FTP User", "FTP Password", and "FTP Root Path". There are buttons for "Autofind FTP Path" and "Verify FTP Settings", and a link to "Advanced Settings". At the bottom of the page, it says "Joomla! is free software released under the GNU/GPL v2.0 License." The browser's status bar shows "Done" and "Internet".

When you are working on a very secured environment that may cause you **permission denied** problem, you have to **consider** using the **Joomla FTP Layer** in aim to increase your rights. When defined, this will give Joomla the possibility to use the FTP to install the component. This is **only** available for **Unix** platform. Joomla ignore this feature for Windows platform

Joomla! Web Installer - Microsoft Internet Explorer

Address: <http://master.demo.jms2win.com/installation/index.php>

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

Site Name:

Enter the name of your Joomla! site.

Site Name:

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:

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.

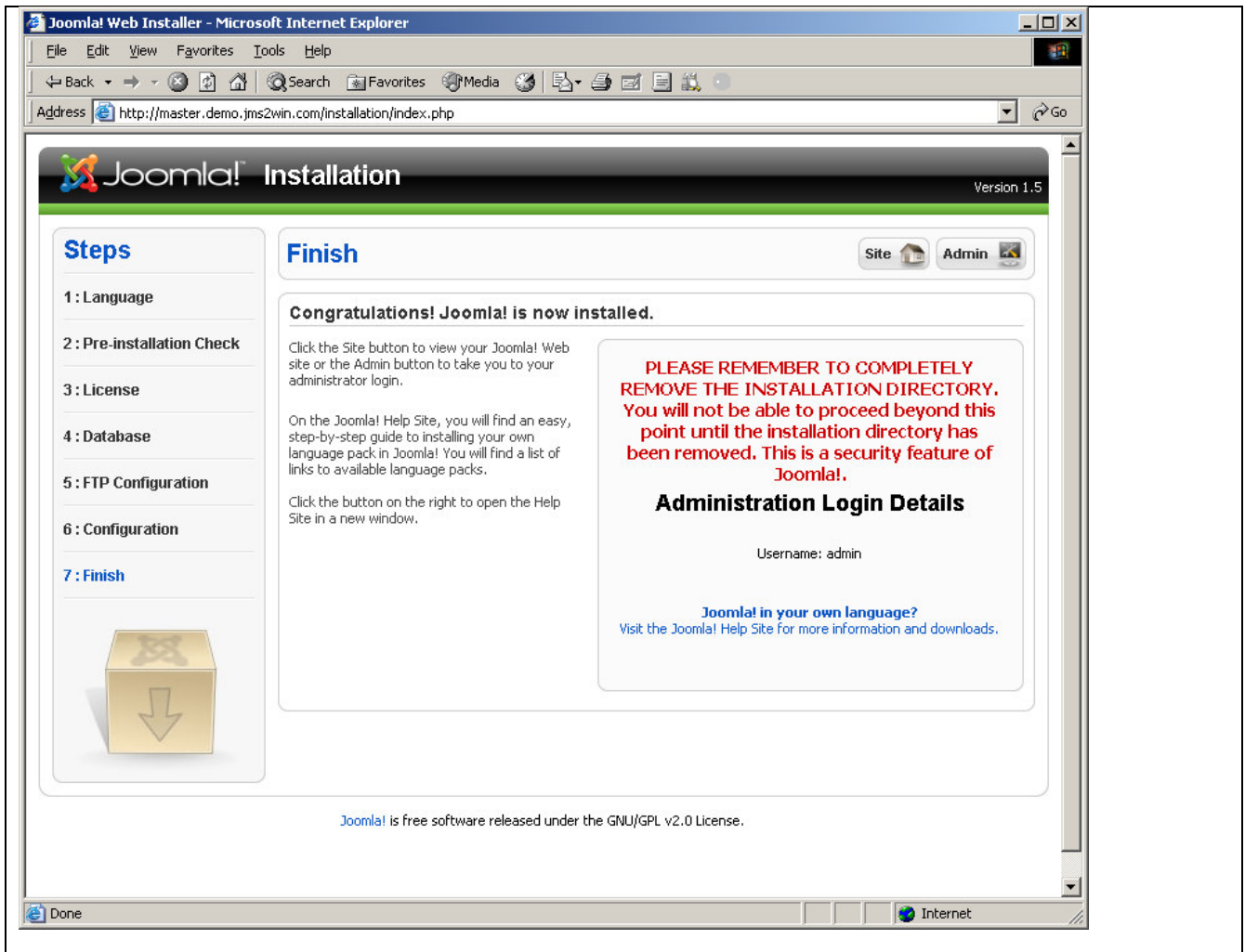
Before leaving the installation, you can populate the site database with data. There are three ways to do this:

- 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.*

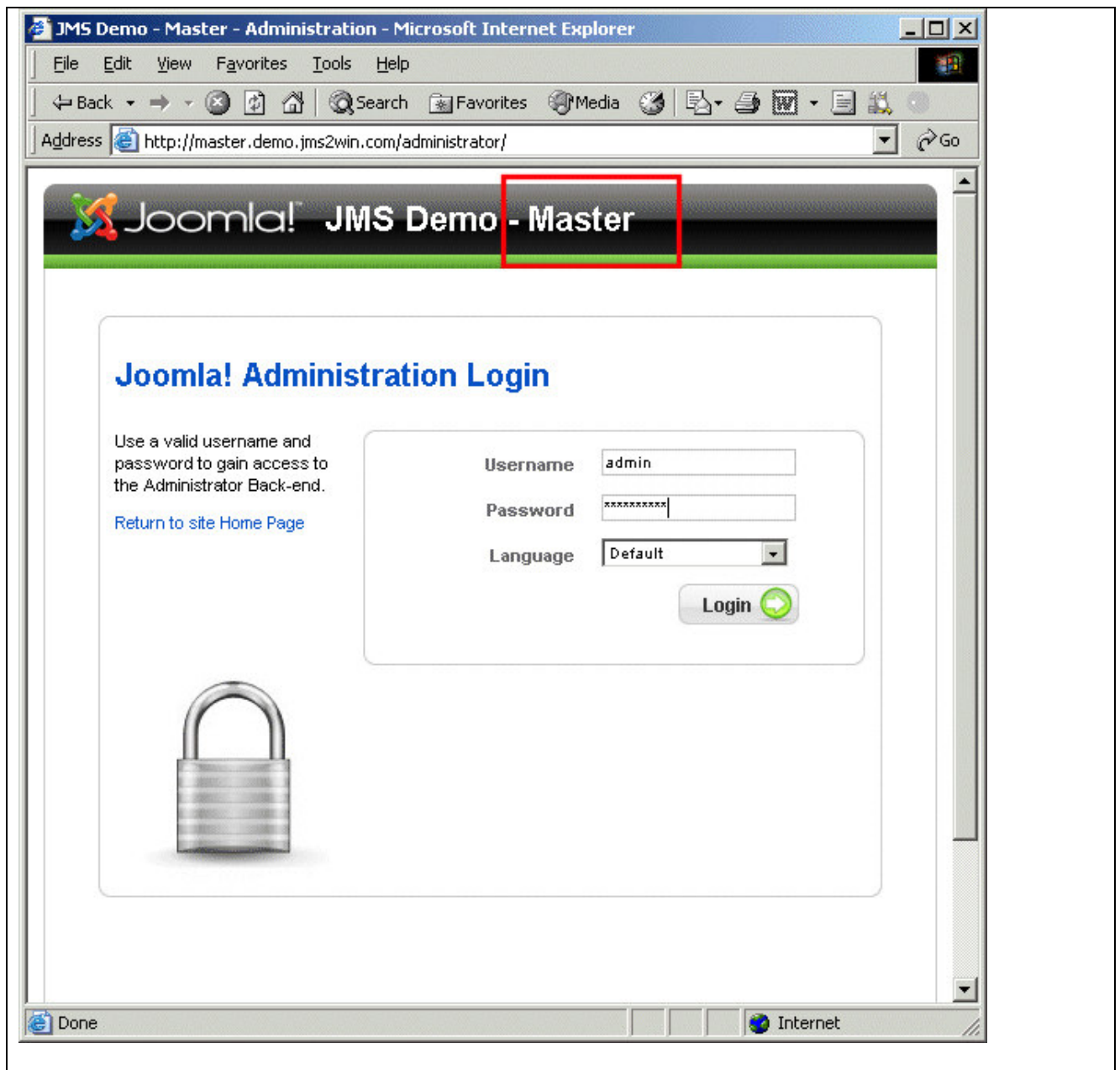
Load Migration Script *The migration script needs to be created on the old site by the `com_migrator` tool to conform. Enter the table prefix of the old site and enter the encoding used in old site (`_ISO` setting in language file or as seen in browser `info(encoding/source)`. Joomla! 1.5 migration SQL 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..



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

3. Installation Of JMS on the Master site



Joomla! JMS Demo - Master Version 1.5.8

Site Menus Content Components **Extensions** Tools Help Preview 0 1 Logout

Extension Manager Help

Install Components Modules **Templates**

Install/Uninstall
Module Manager
Plugin Manager
Template Manager
Language Manager

Upload Package File

Package File: Browse... Upload File & Install

Install from Directory

Install Directory: Install

Install from URL

Install URL: Install

Joomla! JMS Demo - Master Version 1.5.8

Site Menus Content Components Extensions **Tools** Help Preview 0 1 Logout

Extension Manager Help

Install Components Modules Plugins Languages Templates

Install Component Success

Joomla Multi Sites.
Single Joomla installation using multiple configurations.
With benefit of multiple configuration files, it is possible to connect on multiple databases or use the same database with different table prefix.

When you decide to use the same database for all the websites (master and slave sites), it is strongly recommended to never use 'jos_' as table prefix.
With older Joomla prior 1.5.3, we have notice that standard Joomla installation process can delete the users present in jos_users table whatever the table prefix selected.

If you decide to use as many databases than there are websites, 'jos_' table prefix is allowed.
Ensure also that you have enough rights to create and update joomla files. This is required to install the patches in the standard joomla files.

This new Joomla Multi Sites provide a mechanism to create slave site from a "template website". This feature is particular usefull if you can to propose a "Front-end" dynamic slave site creation.

With this version, it is also possible to propose a "billable" front-end website creation and create a bridge with your eShop system (ie. VirtueMart).

A backup directory '/homez.51/edwinwin/jms/demo/administrator/components/com_multisites/backup_on_install' is created.
This directory contain ALL the joomla core files that will be patched.
The installation of the patches can be performed by using the MultiSites administration.

This component is not registered.
Please consider to register this component.
If you have purchased this component, it will be asked that you enter the registration code sent by email.
If you are a new user, it will be proposed to buy this component.
If you don't want to register this component now, ads will be displayed during the administration of this component
Go to the about menu if you want register this component later.

Register

Now I have registered the product

Site Manager

Manage sites | **Check patches** | User's Manual | Check for Updates | Settings | About us

Thank you for the registration. It is completed SUCCESSFULLY.

Some patches are not installed. Please check patches and proceed with patch installation to allow multisites working properly.

#	ID	Site name	Domains	db server	DB	Prefix	User	status	Expiration	Owner
Display # 20										

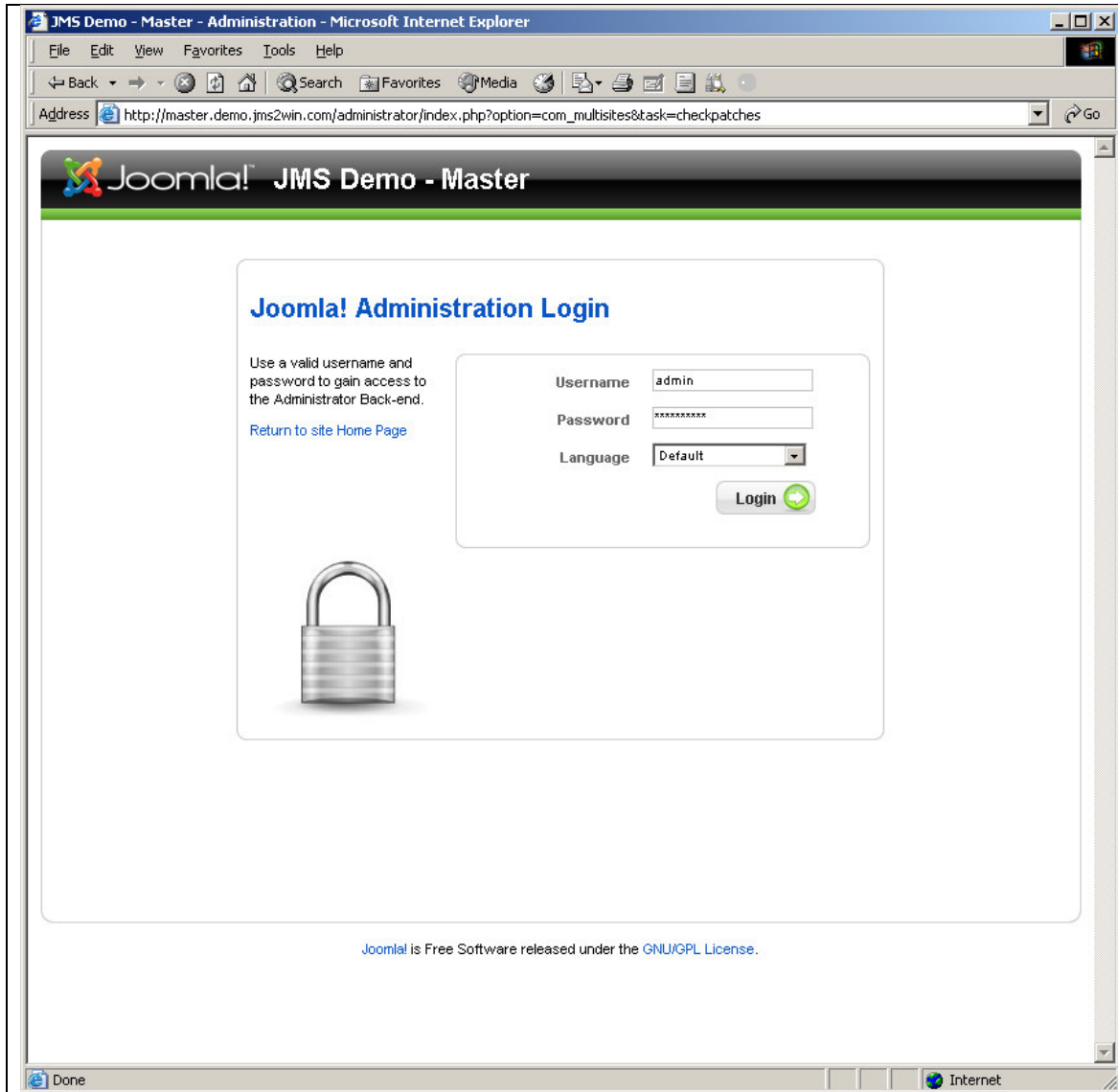
Select **Check Patches**

Check patches installation

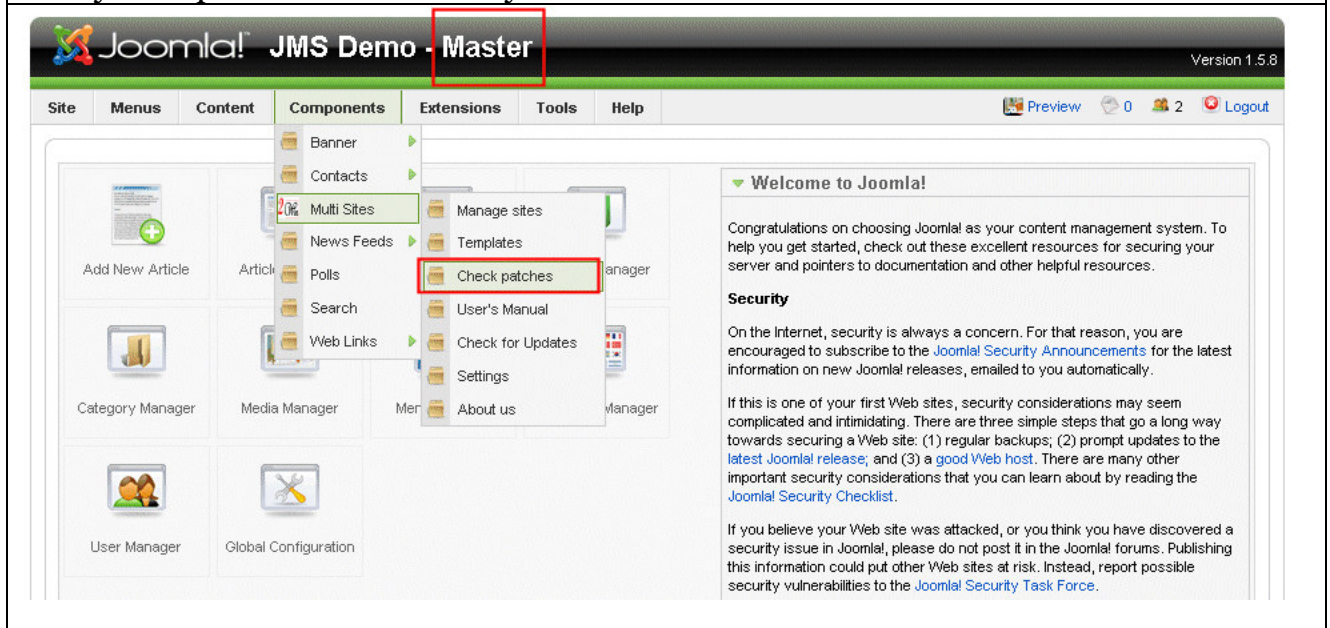
Joomla Multi Sites version: 1.1.0
Patches definition version: 1.1.0

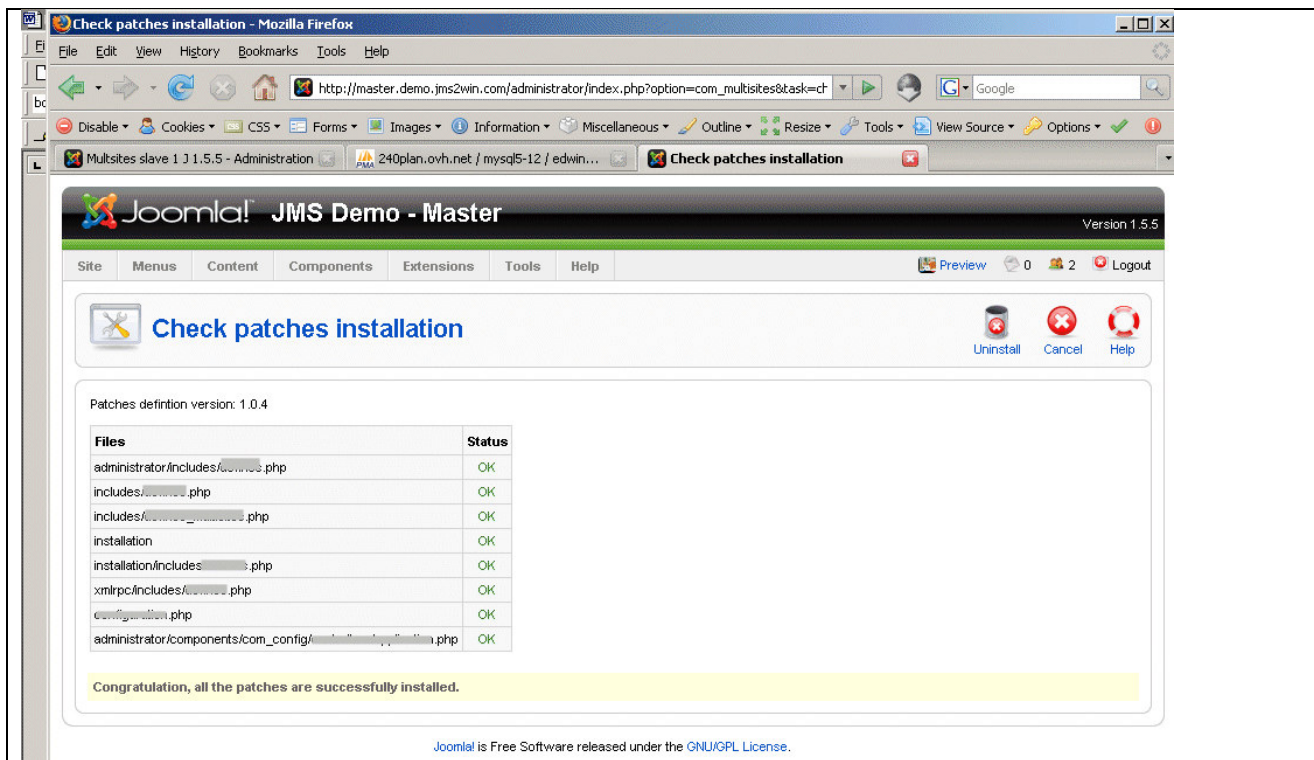
Files	Status
administrator/includes/...php	Not OK <ul style="list-style-type: none"> Multisites definition not present Configuration redefinition not possible Installation redefinition not possible Actions: <ul style="list-style-type: none"> Add 1 line Update 2 lines
includes/...php	Not OK <ul style="list-style-type: none"> Multisites definition not present Configuration redefinition not possible Installation redefinition not possible Actions: <ul style="list-style-type: none"> Add 1 line Update 2 lines
includes/...php	Not OK <ul style="list-style-type: none"> File Not Found Actions: <ul style="list-style-type: none"> Add the file
includes/...php	Not OK <ul style="list-style-type: none"> File Not Found

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



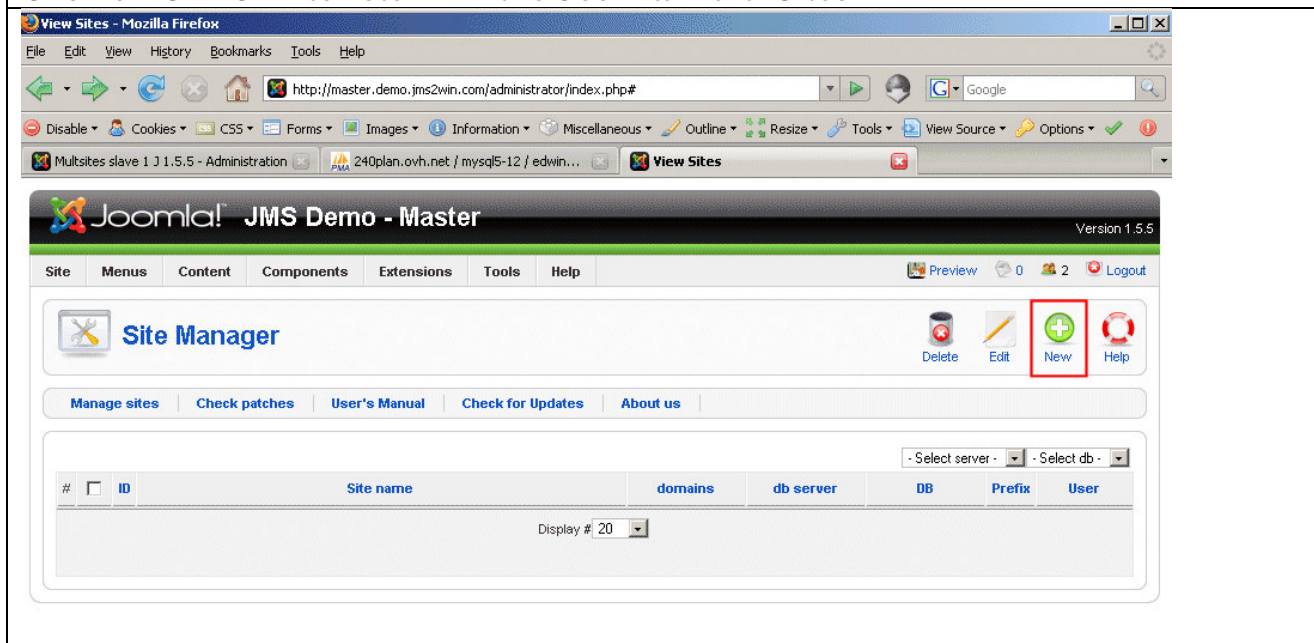
Verify that patches are correctly installed





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

Site Details: [New]

Site ID (*):

Status (*): Confirmed Payment reference:

SITE_EDIT_OWNER: - Owners -

List of domain names (*):

Expiration date:

(*) Fields mandatory

Replicate the tables from an existing DB prefix into a new tables prefix using the same DB

Templates:

New DB Prefix:

Master site directory: /homez.5/vedwinwin/jms/demo

Template Deployed directory:

Deployed directory:

Template Themes folder:

New Themes folder:

Parameters that come from standard Joomla configuration

DB host name:

DB:

DB prefix:

DB user:

DB password:

Remark: Save operation will create a new directory

Give here the list of domain name corresponding to this site (ID). Use comma or newline to separate the domain name. You can use full http(s)://host/sub_directory format.

Example of valid domain:

- www.your_domain.com
- your_domain.com
- https://www.your_domain.com/sub_directory

Save the description

JMS Demo - Master

Version 1.5.8

Site Menus Content Components Extensions Tools Help

Site Manager

Manage sites Templates Check patches User's Manual Check for Updates Settings About us

The site 'slave1' is deployed.

- You can now map your new domain (http://slave1.demo.jms2win.com) to the directory /jms/demo/.

- When the DNS will be updated with your new domain (perhaps you have to wait 24 hours), you will can go to your new domain and Joomla will request you a new installation (as usual).

- Please use a new db prefix for each site and NEVER use 'jos' as prefix or if you want to keep 'jos' as prefix, create as many databases than you have sites.

- Select server - - Select db - - Status -

#	<input type="checkbox"/>	ID	Site name	Domains	db server	DB	Prefix	User	status	Expiration	Owner
1	<input type="checkbox"/>	slave1	slave1	http://slave1.demo.jms2win.com					Confirmed		

Edit Site

slave1

DNS mapping :

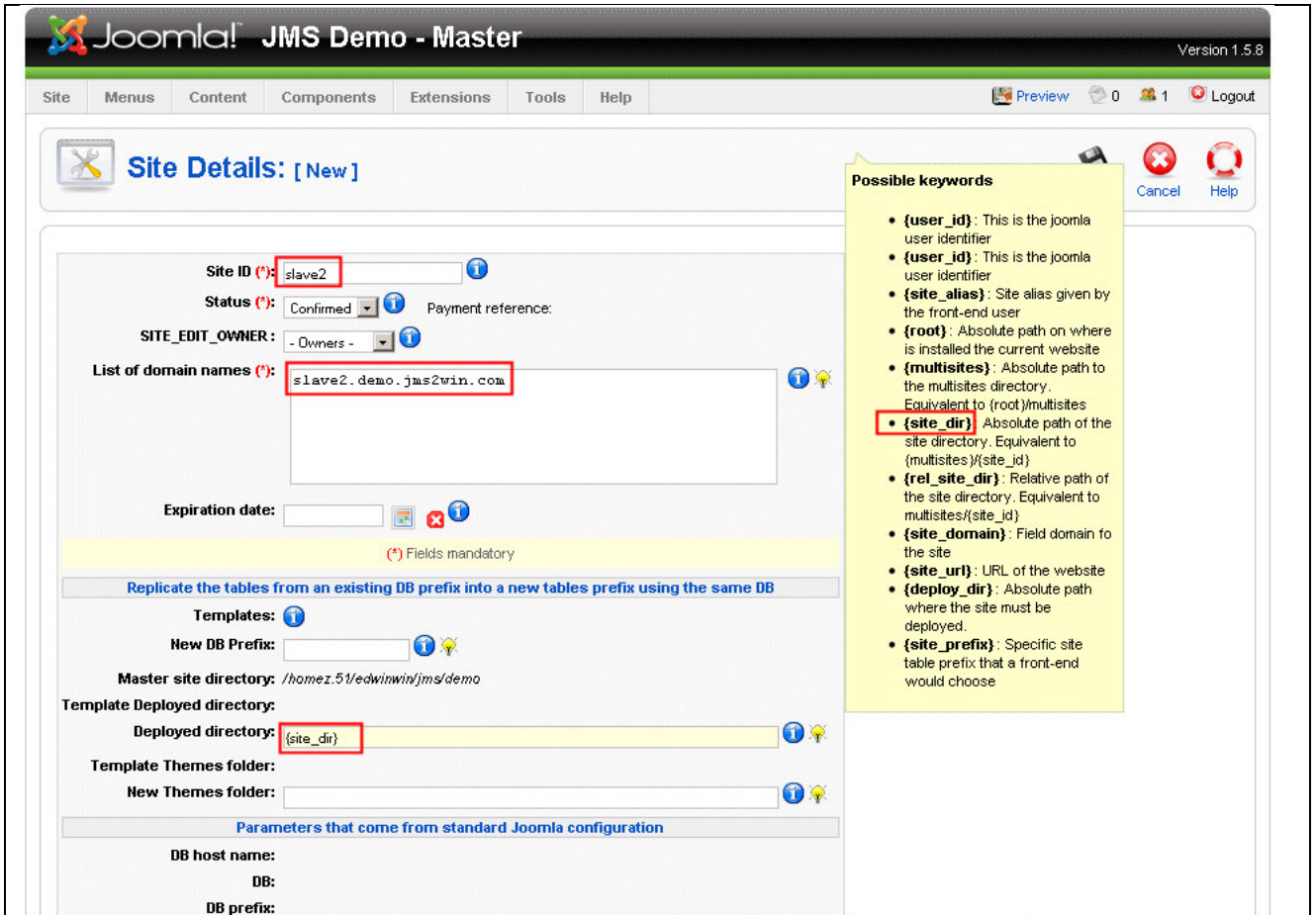
- /jms/demo

Display # 20

Joomla! is Free Software released under the GNU/GPL License.

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

Page: 17/27



The screenshot shows the Joomla! JMS Demo - Master administration interface. The main content area is titled "Site Details: [New]". The form includes several fields: "Site ID (*)" with the value "slave2", "Status (*)" set to "Confirmed", "SITE_EDIT_OWNER" set to "- Owners -", and "List of domain names (*)" containing "slave2.demo.jms2win.com". The "Deployed directory" field is set to "{site_dir}" and is highlighted with a red box. A yellow tooltip titled "Possible keywords" is open on the right, listing various keywords like {user_id}, {site_alias}, {root}, {multisites}, {site_dir}, {rel_site_dir}, {site_domain}, {site_url}, {deploy_dir}, and {site_prefix}. The {site_dir} keyword is also highlighted with a red box in the tooltip. Below the form, there are sections for "Replicate the tables from an existing DB prefix into a new tables prefix using the same DB" and "Parameters that come from standard Joomla configuration".

In case of Slave2, we have **deployed** it into its usual multisite directory in aim to produce the Unix **Symbolic links** that allow to map the slave site into another directory than the master website. We have used the keyword **{site_dir}** to specify the path.

The screenshot shows the Joomla! JMS Demo - Master Site Manager interface. At the top, there is a navigation menu with options: Site, Menus, Content, Components, Extensions, Tools, and Help. The main header displays "Joomla! JMS Demo - Master" and "Version 1.5.8". Below the header, there are icons for "Delete", "Edit", "New", and "Help". A secondary navigation bar includes "Manage sites", "Templates", "Check patches", "User's Manual", "Check for Updates", "Settings", and "About us".

A blue information box contains the following text:

The site 'slave2' is deployed.
- You can now map your new domain (<http://slave2.demo.jms2win.com>) to the directory `/jms/demo/`.
- When the DNS will be updated with your new domain (perhaps you have to wait 24 hours), you will can go to your new domain and Joomla will request you a new installation (as usual).
- Please use a new db prefix for each site and NEVER use 'jos' as prefix or if you want to keep 'jos' as prefix, create as many databases than you have sites.

Below the information box is a table with columns: #, ID, Site name, Domains, db server, DB, Prefix, User, status, Expiration, and Owner. The table contains two rows:

#	ID	Site name	Domains	db server	DB	Prefix	User	status	Expiration	Owner
1	slave2	slave2	http://slave2.demo.jms2win.com					Confirmed		
2	slave1	slave1	1.demo.jms2win.com					Confirmed		

An "Edit Site" popup is visible for the 'slave2' site, showing the site name and a "DNS mapping" section with the following instructions:

DNS mapping :
- `/www2.demo.jms2win.com/jms/demo`
- `/www2.demo.jms2win.com/jms/demo`
- `/multisites/slave2`

At the bottom of the interface, there is a "Display # 20" dropdown and a note: "Free Software released under the GNU/GPL License."

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.

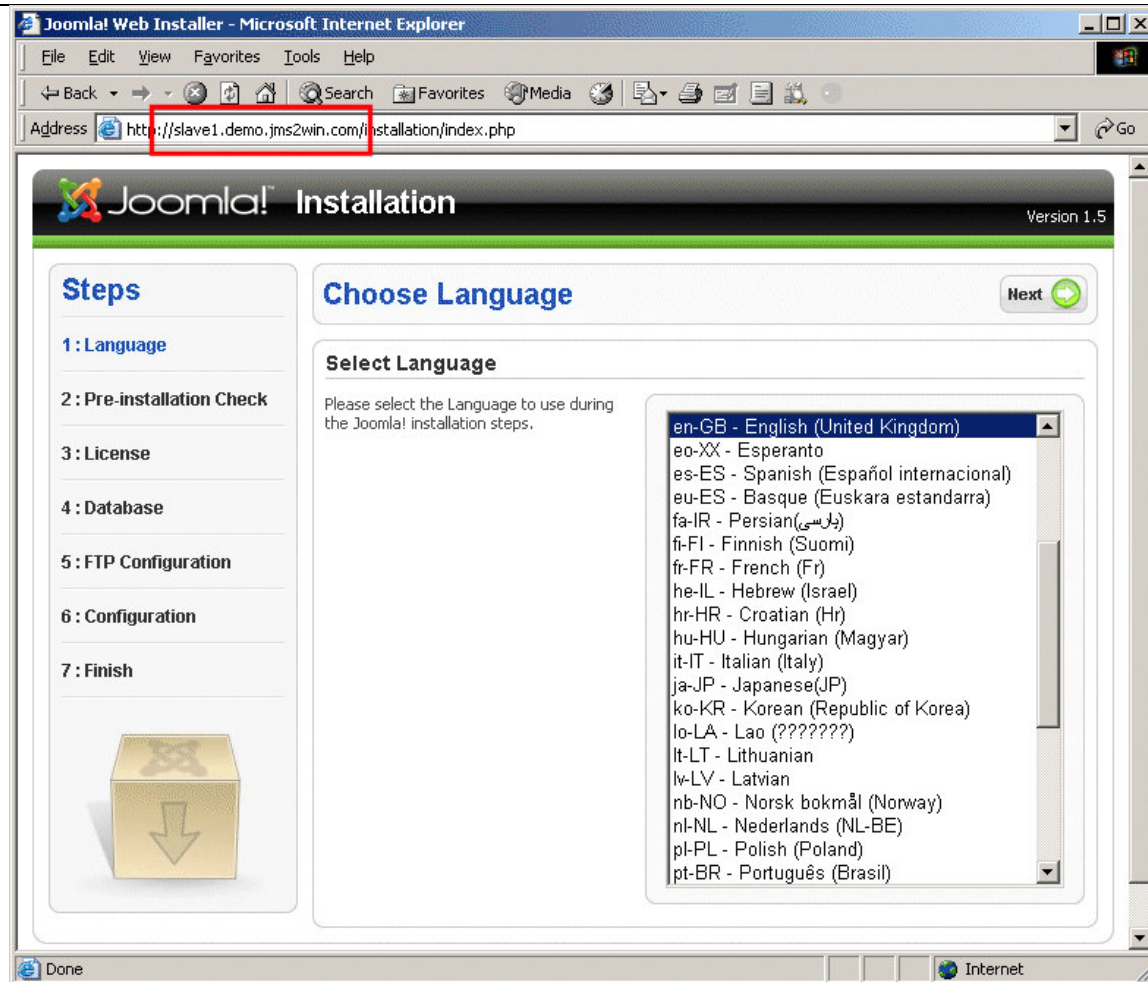
0:/jms/demo/*.*				
Name	Ext	Size	↓Date	Attr
[..]	<DIR>		00-00-1980 00:00	----
[administrator]	<DIR>		06-07-2008 22:40	-755
[cache]	<DIR>		06-07-2008 22:40	-755
[components]	<DIR>		24-07-2008 07:48	-755
[images]	<DIR>		06-07-2008 22:40	-755
[includes]	<DIR>		24-07-2008 07:49	-755
[installation]	<DIR>		24-07-2008 07:49	-755
[language]	<DIR>		06-07-2008 22:40	-755
[libraries]	<DIR>		06-07-2008 22:40	-755
[logs]	<DIR>		06-07-2008 22:40	-755
[media]	<DIR>		06-07-2008 22:40	-755
[modules]	<DIR>		06-07-2008 22:40	-755
[multisites]	<DIR>		24-07-2008 08:00	-755
[plugins]	<DIR>		06-07-2008 22:40	-755
[templates]	<DIR>		06-07-2008 22:40	-755
[tmp]	<DIR>		24-07-2008 07:49	-755
[xmlrpc]	<DIR>		06-07-2008 22:40	-755
configuration	php	1,812	24-07-2008 07:20	-644
robots	txt	304	06-07-2008 22:40	-644
configuration	php-dist	3,362	06-07-2008 22:39	-644
COPYRIGHT	php	1,174	06-07-2008 22:39	-644
CREDITS	php	12,776	06-07-2008 22:39	-644
htaccess	txt	2,663	06-07-2008 22:39	-644
index	php	2,051	06-07-2008 22:39	-644
index2	php	590	06-07-2008 22:39	-644
INSTALL	php	4,344	06-07-2008 22:39	-644
LICENSE	php	17,816	06-07-2008 22:39	-644
LICENSES	php	30,703	06-07-2008 22:39	-644
CHANGELOG	php	36,234	06-07-2008 22:38	-644

0:/jms/demo/multisites/*.*				
Name	Ext	Size	↓Date	Attr
[..]	<DIR>		00-00-1980 00:00	----
[slave1]	<DIR>		19-08-2008 10:17	-755
[slave2]	<DIR>		19-08-2008 10:20	-755
[x2win]	<DIR>		19-08-2008 11:06	-755
config_multisites	php	306	19-08-2008 10:37	-644

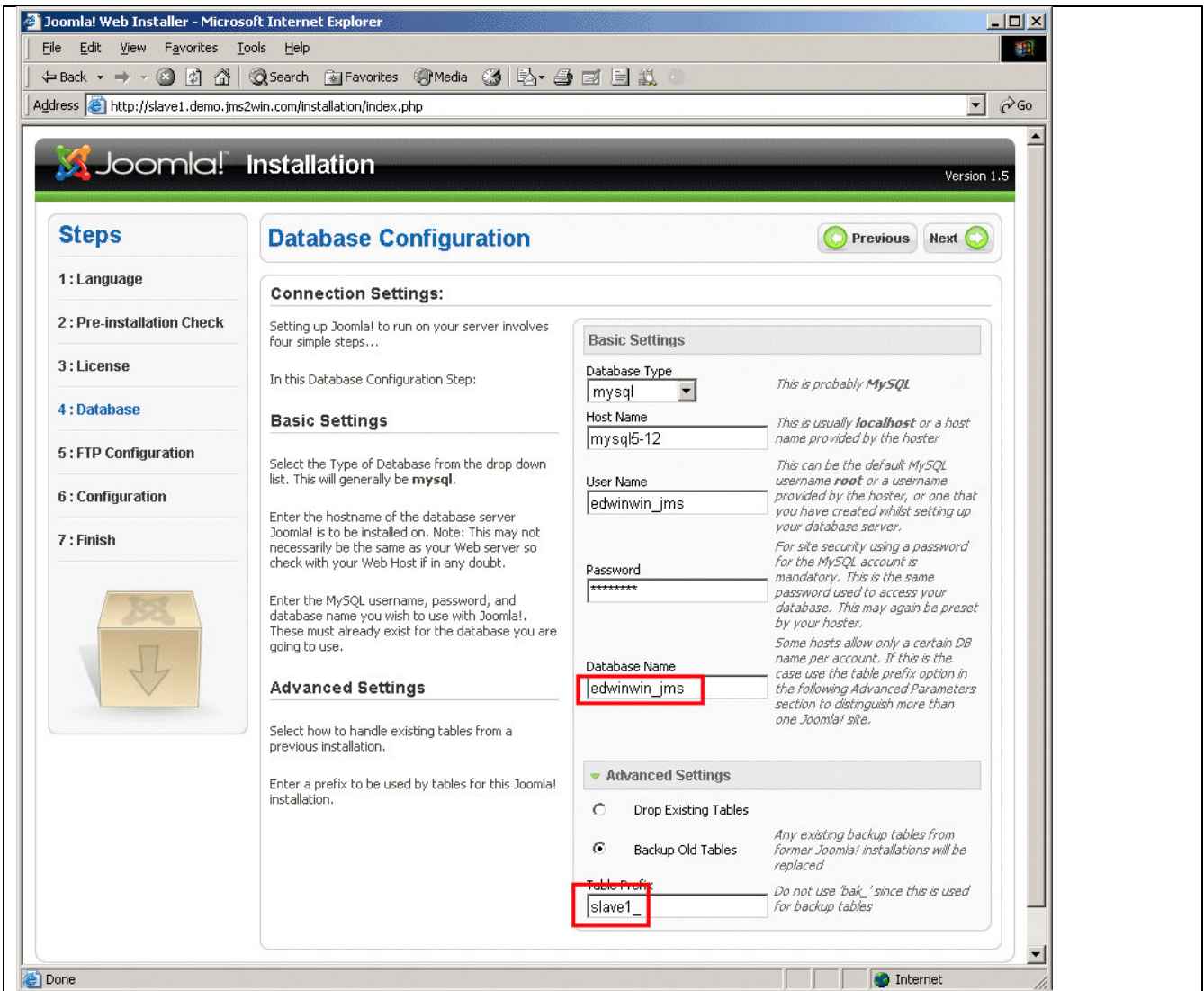
4. Installation Of the Slave Sites

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

Steps

- 1: Language
- 2: Pre-installation Check
- 3: License
- 4: Database
- 5: FTP Configuration
- 6: Configuration**
- 7: Finish

Main Configuration

Site Name:
Enter the name of your Joomla! site.

Site Name:

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:
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.

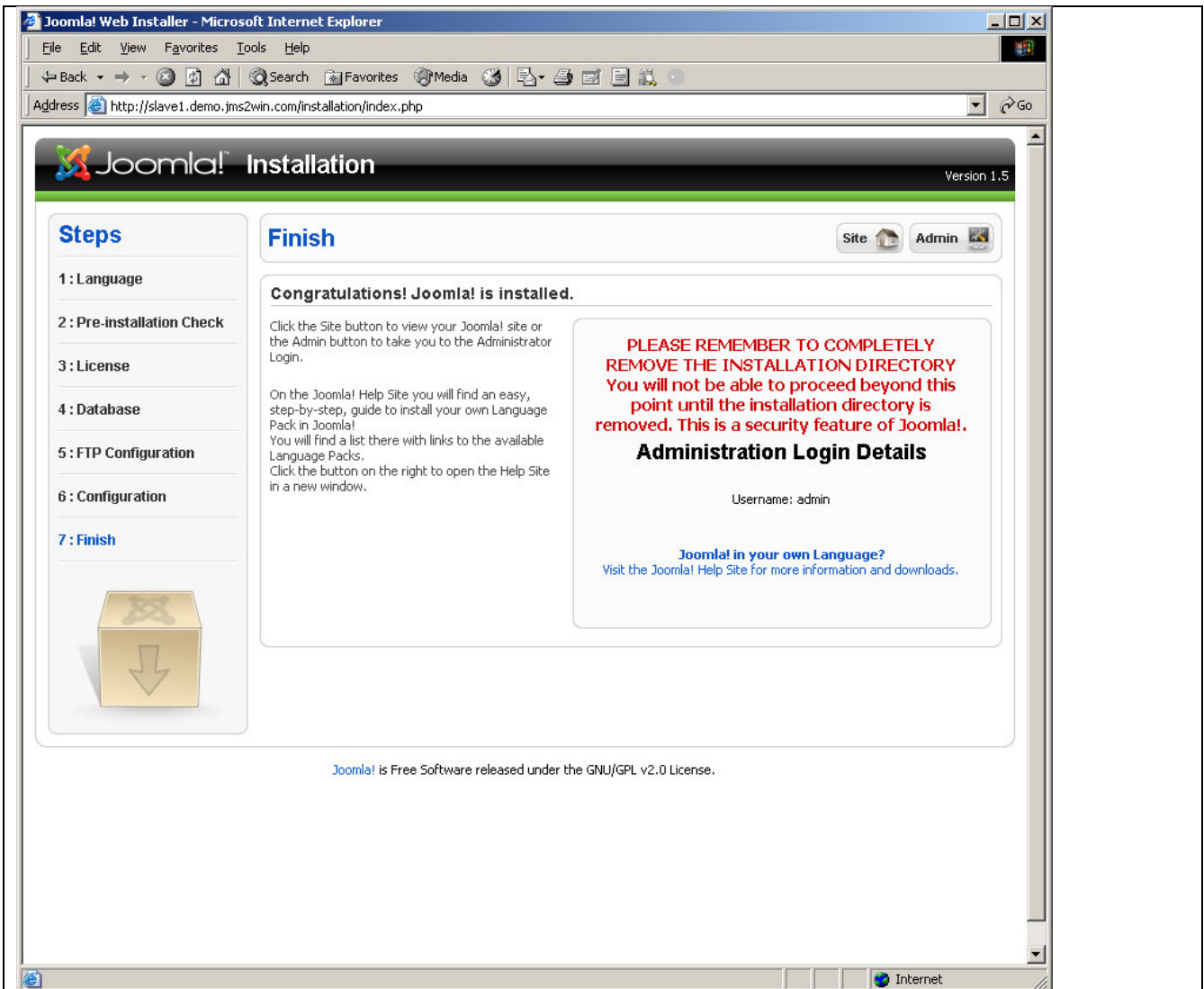
Before leaving the installation you can populate the site database with data. There are three options to do this:

- 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.

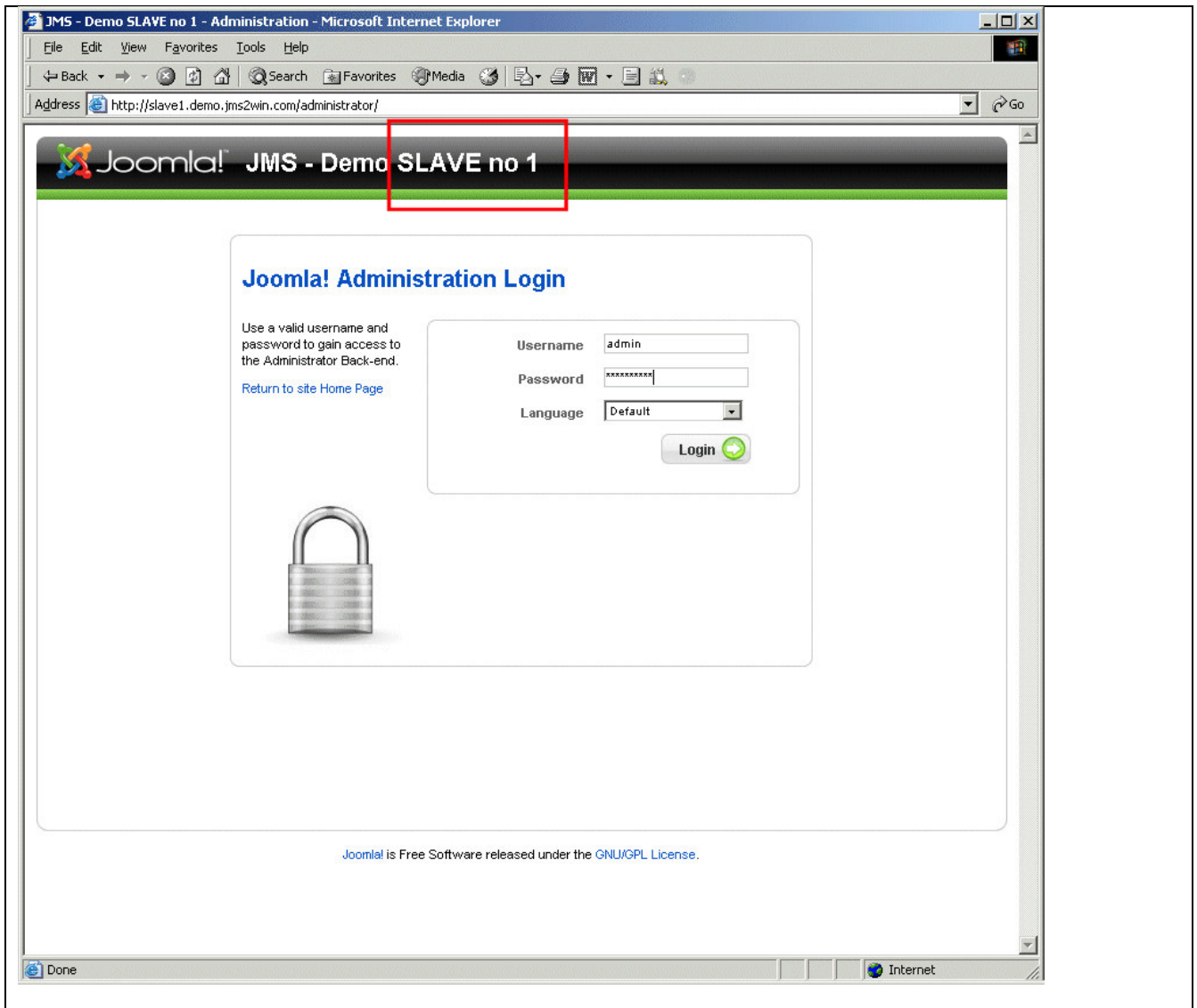
Install Default Sample Data *Installing this is strongly recommended for beginners. It will install default sample content that is included in the Joomla! installation package.*
Install Sample Data

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:



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 1.5.8

Site Menus Content Components Extensions Tools Help Preview 0 1 Logout

Site Manager

Delete Edit New Help

Manage sites Templates Check patches User's Manual Check for Updates Settings About us

- Select server - - Select db - - Status -

#	<input type="checkbox"/>	ID	Site name	Domains	db server	DB	Prefix	User	status	Expiration	Owner
1	<input type="radio"/>	slave1	JMS - Demo SLAVE no 1	http://slave1.demo.jms2win.com	mysql5-12	edwinwin_jms	slave11_	edwinwin_jms	Confirmed		
2	<input type="radio"/>	slave2	JMS - Demo Slave no 2	http://slave2.demo.jms2win.com	mysql5-12	edwinwin_jms	slave12_	edwinwin_jms	Confirmed		
3	<input type="radio"/>	x2win	JMS - Demo domain www.x2win.eu	http://www.x2win.eu	mysql5-12	edwinwin_jms	x2win_	edwinwin_jms	Confirmed		

Display # 20

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 its 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 1.5.8

Master	rhuk_milkyway
Slave 1	JA_Purity
Slave 2	beez
X2win	beez