



JMS MULTI-SITES for joomla!™

Extends joomla!™ with the multisites functionalities

« **Technical presentation (speedating)** »

Joomla Day Strasbourg

24th and 25th march 2012



JMS MULTI SITES

Joomla day Strasbourg 24th and 25th march 2012.

www.jms2win.com

13-Mar-2012

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- ◀ What makes up a dynamic website
- ◀ Parallel between an HTTP server and the concept of Jms Multi Sites
 - A **super switch**, a dispatcher that is able to display the appropriate website depending on the domain, subdomain or subdirectories
 - A **set of tools**
 - to create, replicate, clone websites (a copy machine) that can be used :
 - To share folders, and share the content of some extension in the DB
 - From the front-end (Free or Billable websites)
 - From the back-end to speed-up the website creation
 - To supervise the installation, sharing of extensions and also supervise the dependencies between websites
- ◀ Proposed architecture to make the website saw independently by the search engine.
- ◀ Concept of template of website and definition of rules for the website creation
 - Common parameters,
 - Folder and file sharing,
 - Kind of extension content sharing (full, partial, read the content in another DB)
 - Full sharing of the extension content
 - Partial sharing of the extension content.
 - Read the DB of the other website (articles sharing, contact sharing, custom HTML sharing)
- ◀ Back-end website creation
- ◀ front-end website creation
- ◀ Tool to supervise the extension installed in the websites and supervise the content shared between websites
- ◀ Partial user sharing
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- ◀ Article sharing.
- ◀ Why to use JMS MULTI SITES ?
- ◀ Who are using JMS MULTISITE today ?
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JMS MULTI SITES

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WHAT MAKES UP A DYNAMIC WEBSITE ?

Dynamic Website

Static part

The software that is used to display the web page can be considered as static.
This is the Joomla and the extensions PHP code.



Dynamic part

The data represent the dynamic content of a website and is generally saved in a data base with sometime additional files on the disk like images, vidéos, ...



COMPARISON WITH OTHER APPLICATIONS



For everybody, this is normal that a word processing application allows to manage several word document. It would be abnormal to install the word application each time that you want to create a new word document.



With Jms Multi Sites

The idea with Jms Multi Sites is to do the same with Joomla. Why should we install Joomla each time that we want to create a website.

The idea is to install Joomla! **only once** to build several websites !

WHAT IS JMS MULTI SITES ?

1 SUPER SWITCH

Single installation

1 installation JOOMLA
1 Installation Template
1 Installation Components
1 Installation Modules
1 Installation Plugins

www.jms2win.com

MASTER



Sharing of
extensions
(Users, forum,...)

www.faq2win.com

www.websitedesigner.be

www.edwin2win.com



Sharing of
directories



PROCESSING WITH AN HTTP SERVER

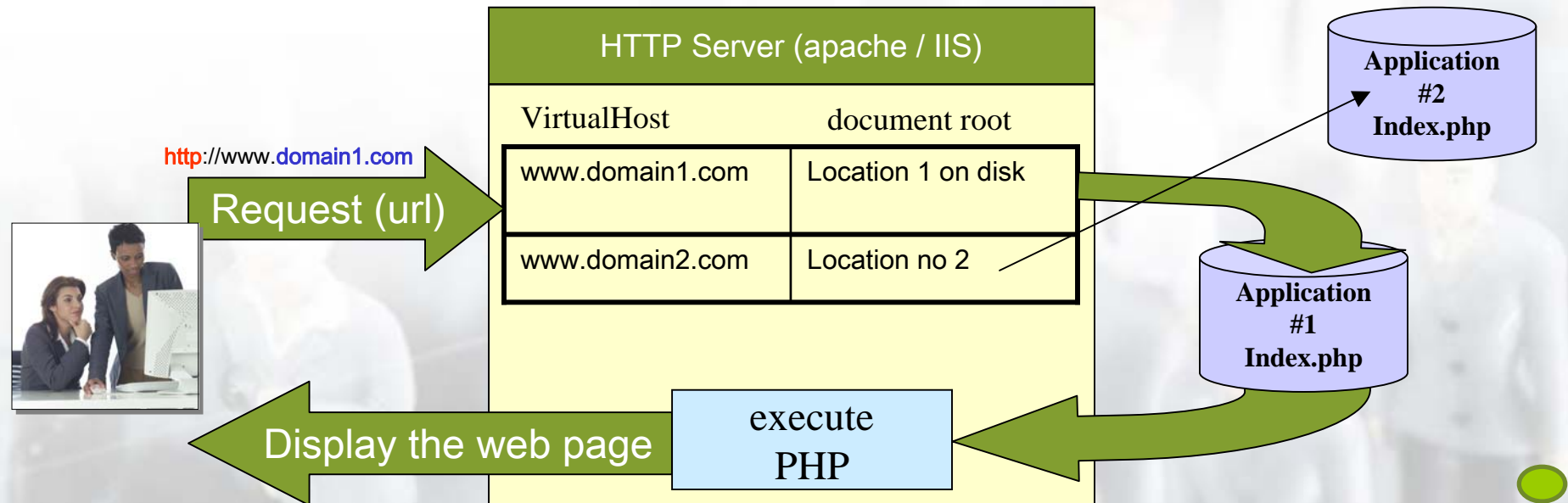


How the super-switch is working ?

Jms Multi Sites works like a HTTP Server (apache, IIS, ...)

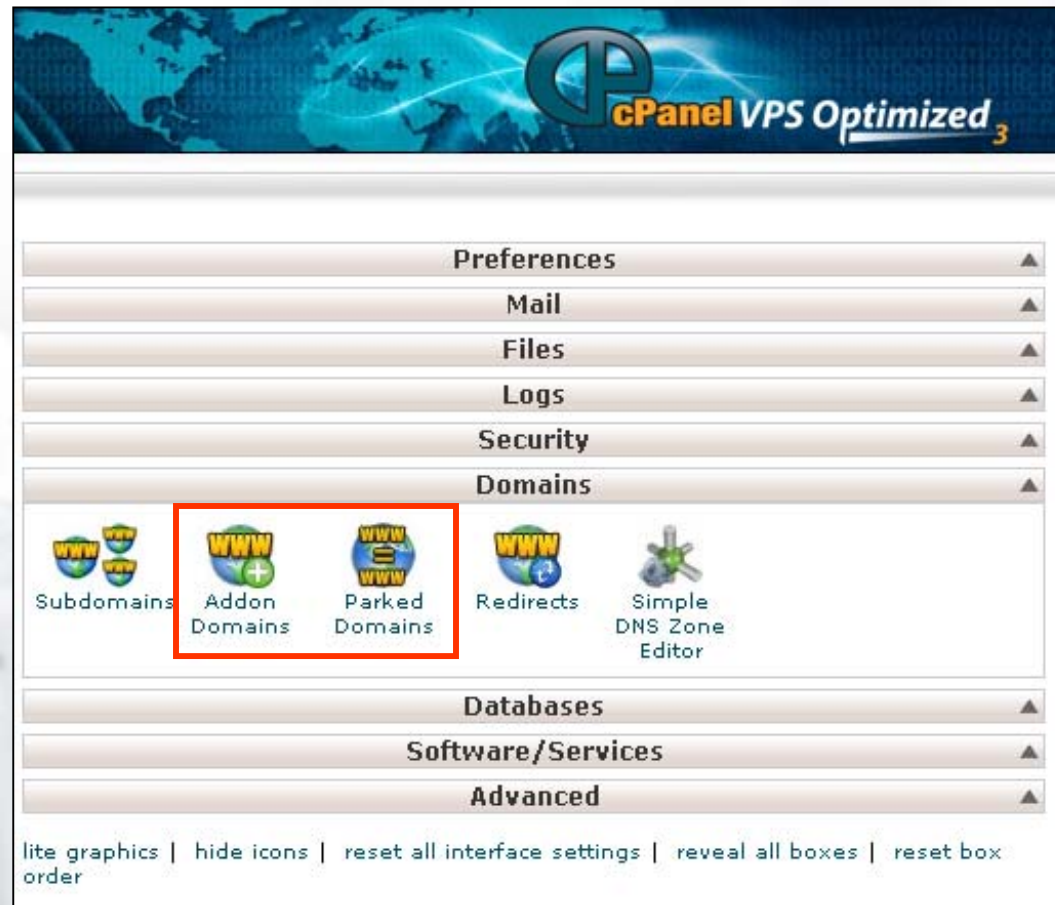
How a HTTP Server is working ?

How the HTTP Server processing is applied in Jms Multi Sites




Parked domains		AddOn domains		Symbolic Links	
VirtualHost	document root	VirtualHost	document root	VirtualHost	document root
www.domain1.com	Location 1 on disk	www.domain1.com	Location 1 on disk	www.domain1.com	Location 1 on disk
www.domain2.com		www.domain2.com	Location 1 on disk	www.domain2.com	Location no 2


cPanel (Domains management)




cPanel – Parked Domains



CPANEL 11

 **Parked Domains**

Parked Domains (Domain pointers) allow you to **point** or "park" additional domain names to your existing hosting account. This will allow users to also reach your website when entering the "parked" or "pointed" domain into their browsers.


 [Video Tutorial](#)

Create a New Parked Domain

[Add Domain](#)

Note:
Domains must be registered with a valid registrar before they can be parked. In addition, they will not be functional unless they are configured to point to your DNS servers.


Remove Parked Domains

Parked Domains Subdomains are relative to your account's home directory. The  icon signifies your home directory which is /home/fb15.


Search [Go](#)


DOMAIN	DOMAIN ROOT	REDIRECTS TO	ACTIONS
No Parked Domains are present			


cPanel – Addon Domains



CIPANEL 11

 **Addon Domains**


 Video Tutorial

An addon domain allows visitors to reach a subdomain of your site by typing the addon domain's URL into a browser. This means that you can host additional domains from your account, if allowed by your hosting provider. Addon Domains Subdomains are relative to your account's home directory. The  icon signifies your home directory which is /home/ffb15.

Create an Addon Domain

New Domain Name:

Subdomain/FTP Username:

Document Root: 

Password:

Password (Again):

Strength (why?):

Very Weak (0/100)

[Password Generator](#)

[Add Domain](#)

Hint: This feature must be enabled for your account before you can use it. Addon domains will not function unless the domain name is registered with a valid registrar and configured to point to the correct DNS servers.

Modify Addon Domain

Search [Go](#)

ADDON DOMAINS	DOCUMENT ROOT	USERNAME	REDIRECTS TO	ACTIONS
No addon domains are configured.				

SHARING OF DIRECTORIES

SHARING OF DIRECTORIES : SYMBOLIC LINKS

*Short-cut (windows)
Alias (Macintosh)*



Single
Joomla maintenance !

SHARING OF EXTENSIONS

SHARING MySQL TABLE



Benefits:

Single instance of the Data

No need to synchronize data

Reduct the risks of inconsistency (or missing synchronization)

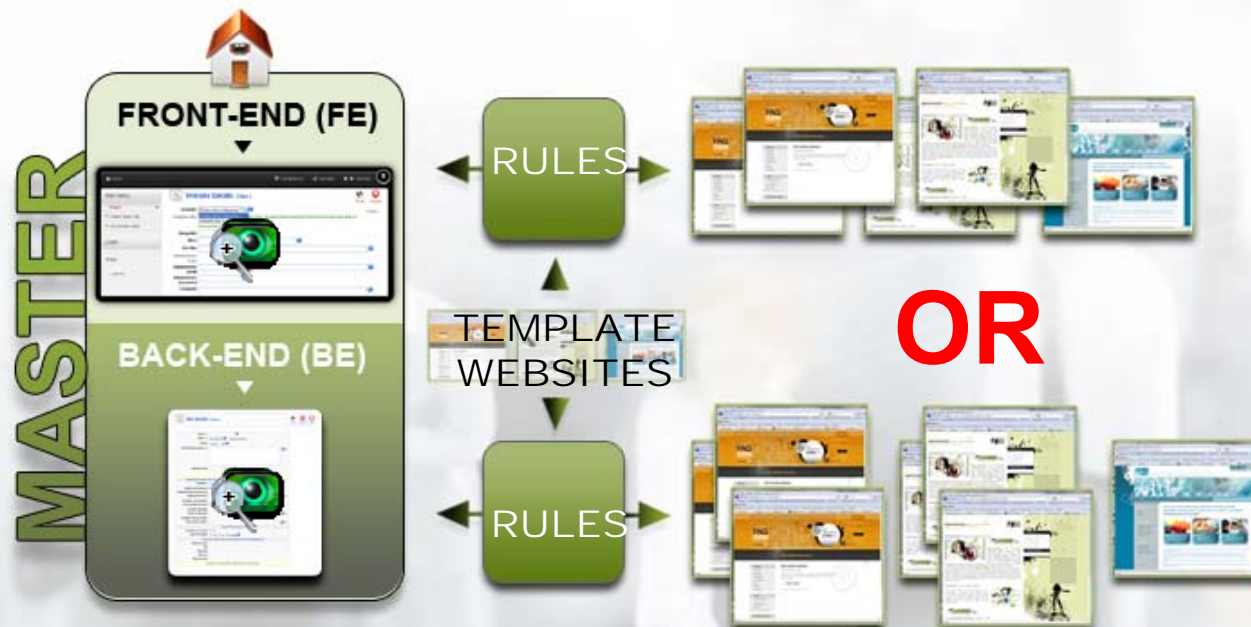
Link (share) MySQL tables

Require MySQL 5.0 or higher

Require MySQL user privileges

SET OF TOOLS TO BUILD WEBSITES

CREATION OF WEBSITES from the **front-end** or **back-end**



FRONT-END

The objectives are to reduce the number of parameters that a user need to enter and therefore reduce the risk of hacking.

Use of rules to convert templates of existing websites into new websites.

BACK-END

Also used to create fresh slave sites.

Have the access to all parameters.

SECURITY AND PROPOSED ARCHITECTURE

The MASTER must be considered as a **repository** or a **library** where all the extensions are installed.



Security of joomla
= the security of the **less secured extension**

Components, modules, plugins

$$\infty = \infty \infty \infty \infty \infty \infty \infty$$

The global strength of a chain
= the strength of the weakest element of a chain

Extensions installation

Fresh slave

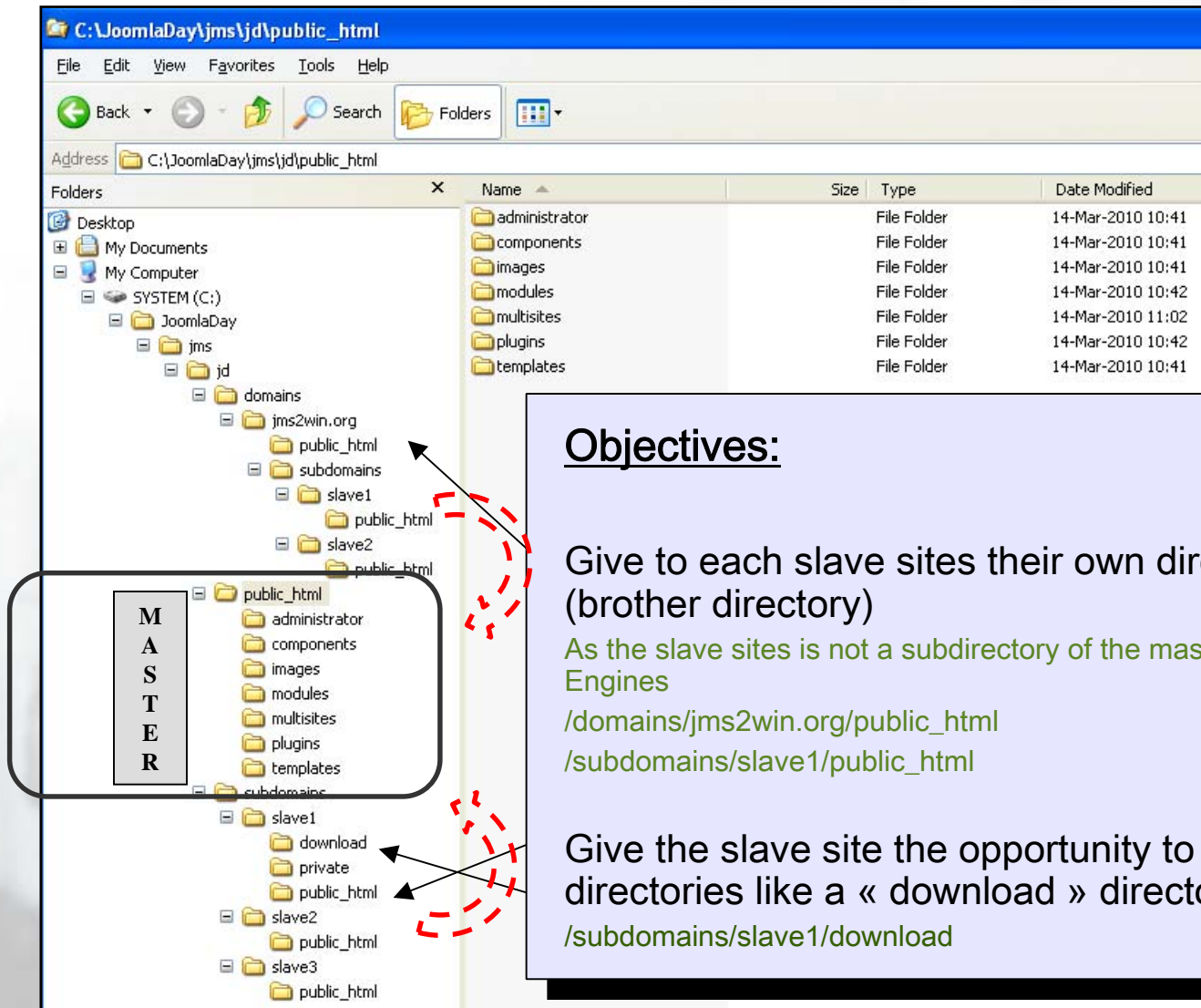
Rules & templates

Template of websites

Front-end
Website
creation



PROPOSED ARCHITECTURE



Objectives:

Give to each slave sites their own directory beside the master (brother directory)

As the slave sites is not a subdirectory of the master then it is not seen by Search Engines

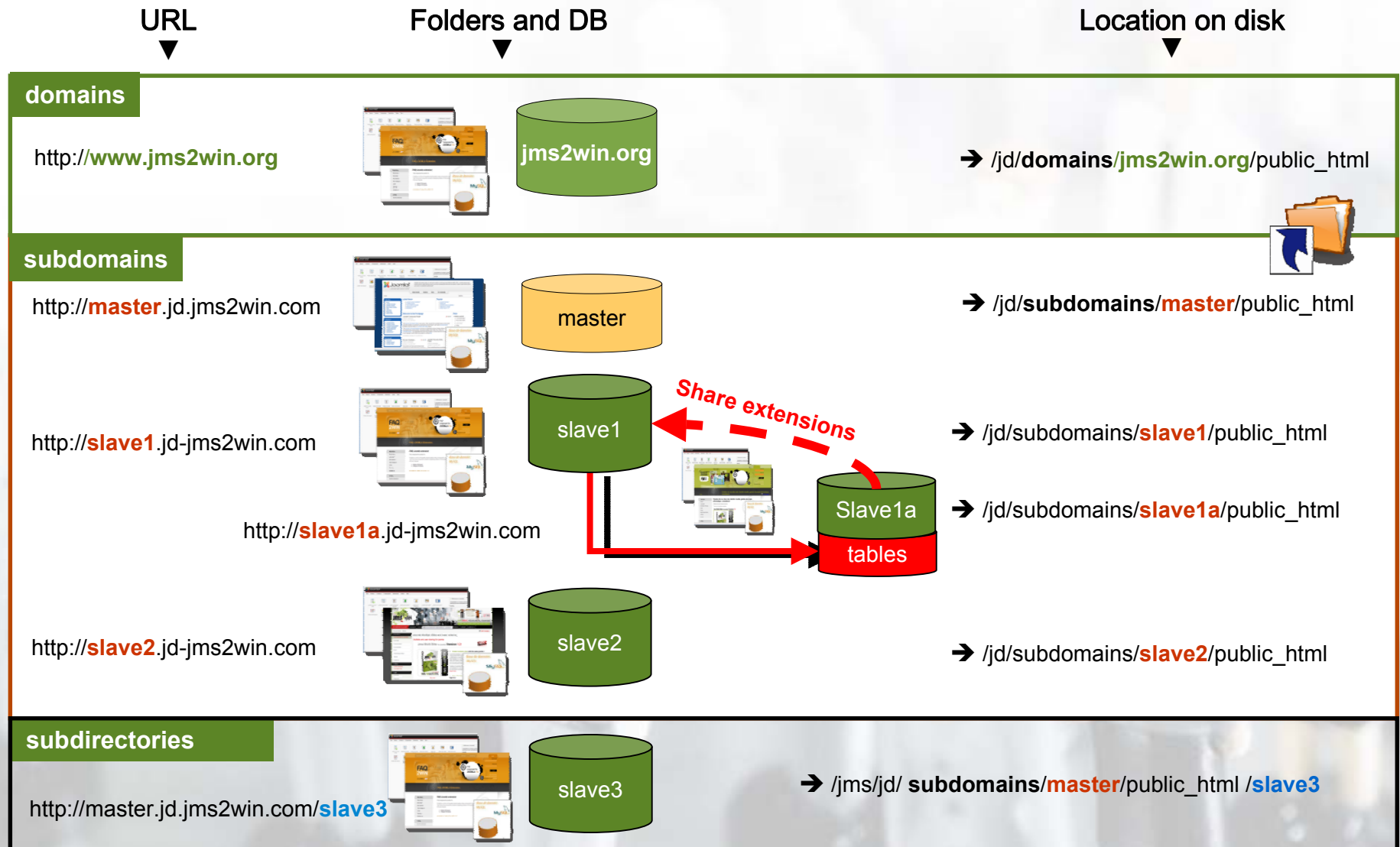
/domains/jms2win.org/public_html

/subdomains/slave1/public_html

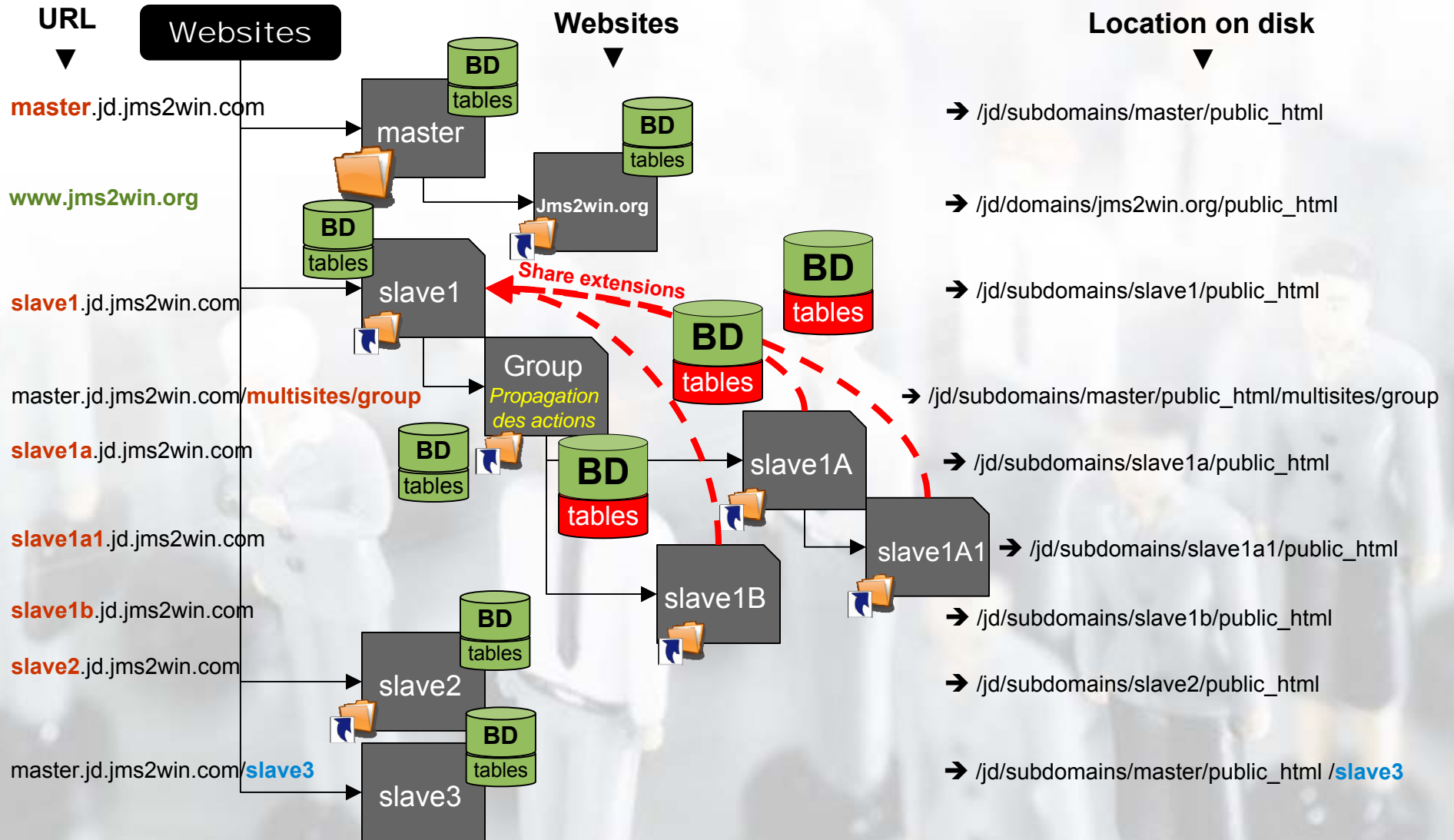
Give the slave site the opportunity to have « private » directories like a « download » directory

/subdomains/slave1/download

PROPOSED ARCHITECTURE – FOLDERS NAMES



SAMPLE OF SLAVE SITES DEPENDENCIES



CREATION OF A TEMPLATE

A template defines

What to copy ?

How to copy ?

COMMON

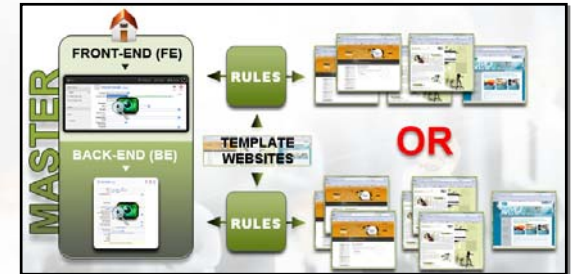
Set of fields that can be computed based on « keywords ».

Select website to replicate

- Fresh slave (no replication)
- Master
- Slave sites with DB



Templates

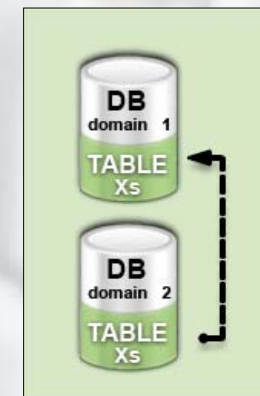
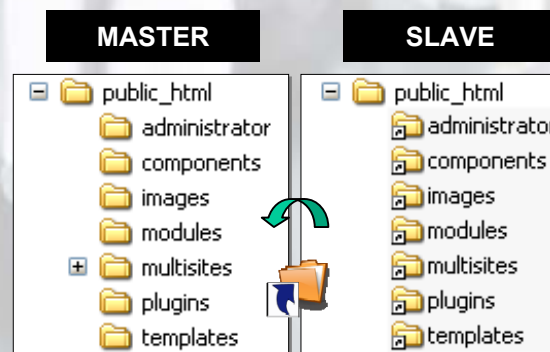


SHARING OF EXTENSIONS

Defines which extension must be shared.


FOLDERS SHARING

Defines the new directory structure.



Linked tables

CREATION OF A TEMPLATE

 **Website template Details.: [New]**

Common Folders and files Sharing

ID:

Group:

Validity duration: days

Max nbr of sites / owner:

Expiration URL:

 **Website template Details.: [New]**

Common Folders and files Sharing

ID:

Group:

Validity duration: days

Max nbr of sites / owner:

Expiration URL:

Product reference (SKU):

Title:

Description:

List of domain names:

Duplicate the tables from an existing DB prefix into a new tables prefix of a new DB

Template site:

To site ID:

Admin User:

Share the whole site: ☐

New DB server:

New DB Name:

New DB User:

New DB Password:

New DB Prefix:

Specific slave site folders

Master site folder:

Deployment folder:

Create the deployed folder: ☐

Alias file:

Path to Media folder:

Path to Image folder:

Templates (themes) folder:

New FTP Parameters

FTP enable: ☐

Yes ☐

No ☐

Default ☐

FTP host:

FTP port:

FTP user:

FTP password:

FTP root path:

(*) Fields required to have the template available from the front-end

TEMPLATES (RULES)

COMMON

Set of fields that can be computed based on « keywords ».

For example:

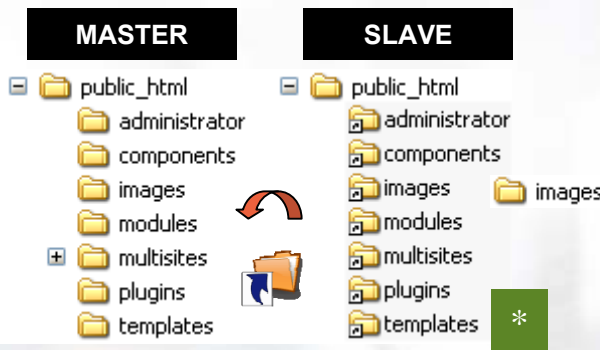
- Select a website to replicate and change some fields
- Domain name = {site_url}/multisites/{site_id}
- New table prefix = {site_id}_
- Deploy folder = {site_dir}

Possible keywords

- {user_id} : This is the Joomla user identifier
- {site_id} : Site identifier
- {site_alias} : Site alias given by the front-end user
- {root} : Absolute path on where is installed the current website
- {multisites} : Absolute path to the multisites directory. Equivalent to {root}/multisites
- {site_dir} : Absolute path of the site directory. Equivalent to {multisites}/{site_id}
- {rel_site_dir} : Relative path of the site directory. Equivalent to multisites/{site_id}
- {site_domain} : Field domain for the site
- {site_url} : URL of the website
- {deploy_dir} : Absolute path where the site must be deployed.
- {site_prefix} : Specific site table prefix that a front-end would choose
- {rnd_psw_6} to {rnd_psw_10} : Random password on a length of 6 to 10 characters
- {rnd_psw} : Random password on a length of 8 characters
- {reset} : Force to reset the field value (clear it). Is generally used with FTP layer parameters

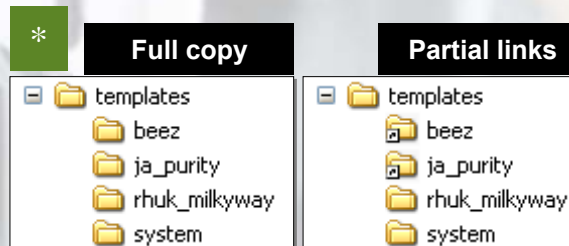
FOLDERS SHARING

Defines the new directory structure.



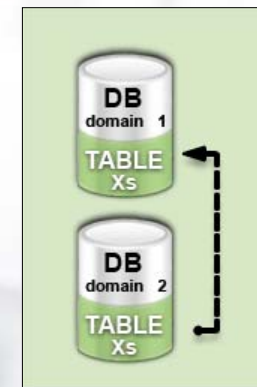
Actions:

- Create a Symbolic Link
- Ignore the directory
- Create a copy (and optionally use another source)
- Create the directory based on a Zip or Tar.gz
- Special copy (images and templates)
- Directory + subdirectory links
- Rewrite (for htaccess)



SHARING OF EXTENSIONS

Defines which extension must be shared.



Linked tables

Remarks:

- When a **front-end** parameters is entered, it is first converted into a back-end parameter.
- Jms Multisites **only process** the **back-end** parameters.

TEMPLATES - COMMUN

Website template Details.: [New]

Common Folders and files Sharing

ID:

Group:

Validity duration: days

Max nbr of sites / owner:

Expiration URL:

Product reference (SKU):

Title:

Description:

List of domain names (*):
www.{site_id}.com
{site_id}.com
{site_id}.domain.com
{site_url}/{site_id}

Replicate the tables from an existing DB prefix into a new tables prefix of a new DB

Template site (*): < Master Site > (edwinwin_jms, d1_)

To site ID (*):

Admin User (*): - Users -

Share the whole site: ☐

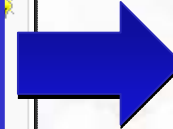
New DB server:

New DB Name:

New DB User:

New DB Password:

New DB Prefix (*): **{site_id}_**



FRONT-END

Website Details: [New]

Template: Demo slave site price 1

Template info: Demo slave site price 1 Demo slave site price 2 Demo slave site price 3 Demo slave site price 4 Demo slave site price 5 Demo slave site price 6 Demo slave site price 7 Demo slave site price 8 Demo slave site price 9 Demo slave site price 10 Demo slave site price 11 Demo slave site price 12 Demo slave site price 13 Demo slave site price 14 Demo slave site price 15 Demo slave site price 16 Demo slave site price 17 Demo slave site price 18 Demo slave site price 19 Demo slave site price 20 Demo slave site price 21 Demo slave site price 22 Demo slave site price 23 Demo slave site price 24 Demo slave site price 25 Demo slave site price 26 Demo slave site price 27 Demo slave site price 28 Demo slave site price 29 Demo slave site price 30 Demo slave site price 31 Demo slave site price 32 Demo slave site price 33 Demo slave site price 34 Demo slave site price 35 Demo slave site price 36 Demo slave site price 37 Demo slave site price 38 Demo slave site price 39 Demo slave site price 40 Demo slave site price 41 Demo slave site price 42 Demo slave site price 43 Demo slave site price 44 Demo slave site price 45 Demo slave site price 46 Demo slave site price 47 Demo slave site price 48 Demo slave site price 49 Demo slave site price 50 Demo slave site price 51 Demo slave site price 52 Demo slave site price 53 Demo slave site price 54 Demo slave site price 55 Demo slave site price 56 Demo slave site price 57 Demo slave site price 58 Demo slave site price 59 Demo slave site price 60 Demo slave site price 61 Demo slave site price 62 Demo slave site price 63 Demo slave site price 64 Demo slave site price 65 Demo slave site price 66 Demo slave site price 67 Demo slave site price 68 Demo slave site price 69 Demo slave site price 70 Demo slave site price 71 Demo slave site price 72 Demo slave site price 73 Demo slave site price 74 Demo slave site price 75 Demo slave site price 76 Demo slave site price 77 Demo slave site price 78 Demo slave site price 79 Demo slave site price 80 Demo slave site price 81 Demo slave site price 82 Demo slave site price 83 Demo slave site price 84 Demo slave site price 85 Demo slave site price 86 Demo slave site price 87 Demo slave site price 88 Demo slave site price 89 Demo slave site price 90 Demo slave site price 91 Demo slave site price 92 Demo slave site price 93 Demo slave site price 94 Demo slave site price 95 Demo slave site price 96 Demo slave site price 97 Demo slave site price 98 Demo slave site price 99 Demo slave site price 100

Site prefix:

Alias:

Site title:

Administrative email:

Administrative password:

Comment:

Log out

Used when creation a website from the front-end

Specific slave site folders

Master site folder: /homez.51/edwinwin/jms/demo

Deployment folder: **{root}/{site_id}**

Create the deployed folder: ☐ **{site_dir}**

Alias link:

Path to Media folder:

Path to Image folder:

Templates (themes) folder:

New FTP Parameters

FTP enable: ☒ Yes ☐ No ☐ Default

FTP host:

FTP port:

FTP user:

FTP password:

FTP root path:

(* Fields required to have the template available from the front-end)

TEMPLATES - FOLDERS

Define how to create the target directory based on the master directory structure.

Common **Folders and files** Sharing

Show all

#	Action	Folder or File	From file or folder - case of (copy, unzip)
1	ignore: Ignore folder or file	_installation	Actions: <ul style="list-style-type: none"> Create a Symbolic Link Ignore the directory Create a copy (and optionally use another source) Create the directory based on a Zip or Tar.gz Special copy (images and templates) Directory + subdirectory links Rewrite (for htaccess)
2	SL: Symbolic Link	administrator	
3	ignore: Ignore folder or file	cache	
4	copy: Copy the folder or file	components	
5	unzip: Use a tar.gz file	images	
6	mkdir: Create folder	includes	
7	SL: Symbolic Link	installation	
8	special: Special copy	language	
9	SL: Symbolic Link	libraries	
10	SL: Symbolic Link	logs	
11	mkdir: Create folder	media	
12	SL: Symbolic Link	modules	
13	SL: Symbolic Link	multisites	
14	SL: Symbolic Link	plugins	
15	SL: Symbolic Link	rokdownloads	
16	copy: Copy the folder or file	templates	

MASTER

- public_html
 - administrator
 - components
 - images
 - modules
 - multisites
 - plugins
 - templates

SLAVE

- public_html
 - administrator
 - components
 - images
 - modules
 - multisites
 - plugins
 - templates

Full shared

Action=special copy

Full copy

Action=copy

Partial sharing

Action=special copy
Template folder = {deploy_dir}/templates

Possibility to have a specific directory for the « images » and « templates ».

TEMPLATES – KIND OF SHARING

- Share the whole content of an extension (Share the MySQL tables)
 - Joomla Users,
 - VirtueMart, Hikashop, AcyMailing, ...
- Partial sharing of the MySQL table content of extensions.
 - Joomla User
- Specific extensions able to read the other website DBs
 - Article Sharing for JMS
 - Multi Sites Contact
 - Multi Sites Search plugin
 - Multi Sites Content Modules
 - Multi Sites custom HTML

TEMPLATE –SHARING OF THE EXTENSION CONTENT

Common Folders and files **Sharing**

DB Sharing

- User Sharing
 - No sharing
 - Share the Joomla Users
 - #_users
 - #_session
 - #_core_acl_%
 - Share the VirtueMart Users
- Billets
 - #_users
 - #_session
 - #_core_acl_%
 - #_comprofiler%
- Seminar
 - #_users
 - #_session
 - #_core_acl_%
 - #_vm%

DB domain1
Table Xs

DB domain2
Table Xs

Linked tables

Require

- MySQL 5.0 or higher
- MySQL user with privileges to share tables

PHPMyAdmin (root)

Server: localhost

Databases SQL Status Variables Charsets Engines **Privileges** Binary log

Processes Export Import

User 'user_slave3'@'127.0.0.1': Edit Privileges

Global privileges (Check All / Uncheck All)

Note: MySQL privilege names are not case sensitive in English

Privilege	Structure	Administration
<input checked="" type="checkbox"/> SELECT	<input checked="" type="checkbox"/> CREATE	<input type="checkbox"/> GRANT
<input checked="" type="checkbox"/> INSERT	<input checked="" type="checkbox"/> ALTER	<input type="checkbox"/> SUPER
<input checked="" type="checkbox"/> UPDATE	<input checked="" type="checkbox"/> INDEX	<input type="checkbox"/> PROCESS
<input checked="" type="checkbox"/> DELETE	<input checked="" type="checkbox"/> DROP	<input type="checkbox"/> RELOAD
<input checked="" type="checkbox"/> FILE	<input checked="" type="checkbox"/> CREATE TEMPORARY TABLES	<input type="checkbox"/> SHUTDOWN
	<input checked="" type="checkbox"/> SHOW VIEW	<input type="checkbox"/> SHOW DATABASES
	<input checked="" type="checkbox"/> CREATE ROUTINE	<input checked="" type="checkbox"/> LOCK TABLES
	<input type="checkbox"/> ALTER ROUTINE	<input type="checkbox"/> REPLICATION CLIENT
	<input type="checkbox"/> EXECUTE	<input type="checkbox"/> REPLICATION SLAVE
	<input checked="" type="checkbox"/> CREATE VIEW	<input type="checkbox"/> CREATE
	<input type="checkbox"/> EVENT	
	<input type="checkbox"/> TRIGGER	

MySQL Account Maintenance

Manage User Privileges

User: jms2win_demoursr
Database: jms2win_demoursr

cPanel limitations

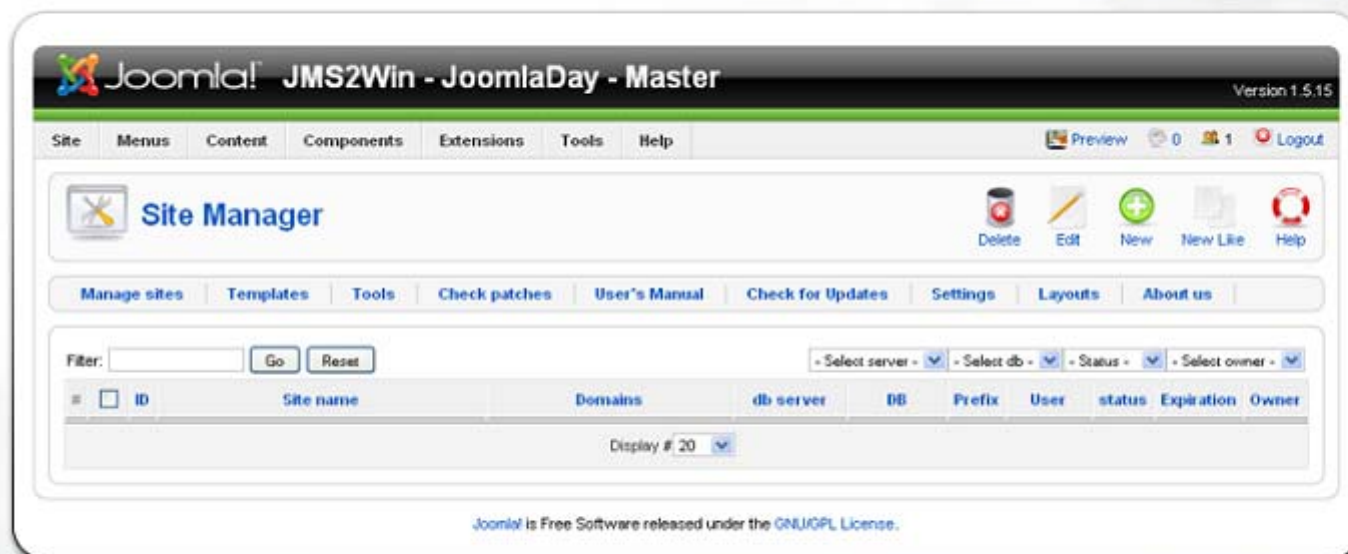
ALL PRIVILEGES	
<input checked="" type="checkbox"/> SELECT	<input checked="" type="checkbox"/> CREATE
<input checked="" type="checkbox"/> INSERT	<input checked="" type="checkbox"/> ALTER
<input checked="" type="checkbox"/> UPDATE	<input checked="" type="checkbox"/> DROP
<input checked="" type="checkbox"/> DELETE	<input checked="" type="checkbox"/> LOCK TABLES
<input checked="" type="checkbox"/> INDEX	<input checked="" type="checkbox"/> REFERENCES
<input checked="" type="checkbox"/> CREATE TEMPORARY TABLES	<input checked="" type="checkbox"/> CREATE ROUTINE

Make Changes

Remark: The list proposed of sharing extensions is based on the one installed in the master website.
When enabling a sharing extension, ensure that it is installed in the "template site" that will be replicated.

BACK-END MENU

BACK-END MENU OVERVIEW



Site Manager

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

Filter:

- Select server - - Select db - - Status - - Select owner -

ID	Site name	Domains	db server	DB	Prefix	User	status	Expiration	Owner
Display # 20 <input type="button" value="v"/>									

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

Manage site :
Create slave sites.

Template :
Define replication, sharing, rules.

Tools :
Supervise the install, sharing, architecture of the slave site.

Check patches :
Install / uninstall the patches.

Check for update :
Retrieve the latest JMS patches definitions.

Settings :
Gives product info and allow to buy quota for billable websites.


Layouts :
Allow to upload specific front-end layouts.

PRACTICAL CASE WITH cPANEL

Create an Addon Domain

New Domain Name:


Subdomain/FTP Username:

Document Root: 

Password:

Password (Again):

Strength (why?):

The  icon signifies your home directory which is `/home/account`


Addon Domain	
New Domain Name:	nomdedomaine.com
Subdomain/FTP Username:	nomdedomaine
Document Root:	[HOME]/ domains/nomdedomaine.com/public_html
Jms Multi Sites	
Liste de nom de domaine :	nomdedomaine.com
Répertoire de déploiement :	/home/Account /domains/nomdedomaine.com/public_html

Avec **[HOME]** : **/home/Account**

Create a Subdomain

Subdomain : . jms2win.fr


Document Root : 

The  icon signifies your home directory which is `/home/account`

Subdomains	
Subdomain :	sous-domaine.nomdedomaine.com
Document Root:	[HOME]/ domains/nomdedomaine.com/subdomains/sous-domaine/public_html
Jms Multi Sites	
Liste de nom de domaine :	sous-domaine.nomdedomaine.com
Répertoire de déploiement :	/home/Account /domains/nomdedomaine.com/subdomains/sous-domaine/public_html



SAMPLE OF TEMPLATE CONTENT

 **Détails du modèle de site: [New]**

Commun Répertoires et fichiers Sharing

ID: ⓘ

Groupe: ⓘ

Durée de validité: Jours ⓘ

Nombre max de sites par utilisateur: ⓘ

URL de redirection en cas d'expiration: ⓘ ⓘ

Description: ⓘ

Liste des noms de domaine (*): ⓘ ⓘ

[Recopie dans une même base de donnée les tables d'un site existant pour utilisant un nouveau préfix de table](#)

Site utilisé comme modèle (*): ⓘ

Partage complet du site: ☐ ⓘ

[Répertoires spécifiques](#)

Répertoire du site principal: ⓘ

Répertoire de déploiement: ⓘ ⓘ

Création du répertoire de déploiement: ☒ ⓘ

Répertoire des thèmes: ⓘ ⓘ

Sample of template to create fresh slave sites with different domain names

`{site_id}` is the keyword that will be replaced with the Site ID entered when creating the slave site.
The `{site_id}` value could be for example « `jms2win.fr` »

WEBSITE CREATION FROM THE BACK-END

Site Details: [New]

Site ID (*):

Status (*): Confirmed Payment reference:

Owner: - Owners -

List of domain names (*):

Expiration date:

(*) Fields mandatory

Replicate the tables from an existing DB prefix into a new table

Templates:

Share the whole site:

Template DB Server name:

New DB Server name:

Template DB name:

Manager of the websites templates

Manage sites | **Templates** | Tools | Check patches | Help

Common | Folders and files | Sharing

DB Sharing

- User Sharing
 - No sharing
 - Share the Joomla Users**
 - #_users
 - #_session
 - #_core_acl_%
 - Share the VirtueMart Users
- Billets
- Community Bu
- Seminar
- VirtueMart

#	<input type="checkbox"/>	ID	Gr
1	<input checked="" type="radio"/>	share_s1	
2	<input type="radio"/>	share_test	
3	<input type="radio"/>	share_test1	
4	<input type="radio"/>	share_test2	

```

share_s1 (edwinwin_jms : d1s1 => s1(site_id_))
share_test (edwinwin_jms : d1s1 => (site_id_))
share_test1 ( : => )
share_test2 (edwinwin_jms : m1slave1A => )
            
```

```

graph LR
    Master[Master Users] -- "Replication Rule Share_s1" --> Slave1[Slave1 Users]
    Slave1 --> Slave1a[Slave1a Users]
    Slave1 --> Slave1b[Slave1b Users]
    style Slave1a stroke:#f00,stroke-width:2px
    
```


DEFINITION OF A FRONT-END MENU ITEM

Menu Item: [New]

Select Menu Item Type

- Internal Link
 - Articles
 - Contacts
 - Multi Sites
 - Slaves sites
 - create a slave sites
 - List all slave sites
 - Multi Sites Articles sharing
 - Multi Sites Menu Item
 - News Feeds

Parameters (Basic)

Layouts: Select template -> Select template -> Black

Filter on group name: Title

Delete Button: Show Hide

Edit Button: Show Hide

New Button: Show Hide

Login: Required Anonymous

Billable websites: Enable Disable

Redirect URL

Payment script

On deploy success

On deploy error

Parameters (Advanced)

Alias: Show Hide

Administrator Login: Show Hide

Administrator eMail: Show Hide

Administrator Password: Show Hide

Comment: Show Hide

Parameters (System)

Layouts manager

Layouts: Install

Only those Templates that may be uninstalled are accessible. The default Template is Black

Website Details: [New]

Template: Demo slave site price 1

Template title: Demo slave site price 1

Site profile: Second line of description

Alias:

Site title:

URL administrator:

Administrator email:

Administrator password:

Comments:

Site payant

- Product SKU
- Exécution des scripts
- Appel les plugins


JMS 2WIN

BRIDGE for VIRTUEMART

for Joomla!

JMS MULTISITE

EXEMPLE OF SPECIFIC LAYOUTS

 **List of websites**

My List Header with html tags

My Blog 2 Win
Joomla! - the dynamic portal engine and content management system
<http://myblog2win.com>

My Realestate 2Win
Joomla! - the dynamic portal engine and content management system
<http://myrealestate2win>

My Corporate 2 Win
Joomla! - the dynamic portal engine and content management system
Ceci est un commentaire du corporate de plusieurs lignes et ceci pour voir ce que cela donne avec un tableau
<http://mycorporate2win.com>

My Restaurant 2 Win
Joomla! - the dynamic portal engine and content management system
<http://myrestaurant2win.com>

My Travel 2 Win
Joomla! - the dynamic portal engine and content management system
<http://mytravel2win.com>

My Events
Joomla! - the dynamic portal engine and content management system
Ceci est un commentaire de plusieurs lignes pour voir ce que cela donne avec un tableau
<http://myevent2win.com>

My Mariage 2 Win
Joomla! - the dynamic portal engine and content management system
<http://mymariage2win.com>

Results 1 - 7 of 7

Display #

Complete the following information and return agreement found in email.

Template: ⓘ

Template info: [Package 01 description](#) Status:

Site prefix: ⓘ

Site title: ⓘ

Logo image (png only. Dimensions 218px x 35px):

Meta Description: ⓘ

Meta keywords: ⓘ

Comment: ⓘ

First Name:

Last Name:

Company Name:

Address Line 1:

Address Line 2:

City:

State / Province: ⓘ

ZIP / Postal Code:

Country: ⓘ


Phone Number:

Mobile Number:

Business Fax:

Federal Tax ID:

LAYOUT MANAGER

 **Menu Item: [New**

▼ Parameters (Basic)

Layouts

Filter on group name
black
default

Title

Delete Button ☒ Show ☐ Hide

edit Button ☒ Show ☐ Hide

 **JMS2Win - JoomlaDay - Master** Version 1.5.15

Site Menus Content Components Extensions Tools Help

 **Layouts manager**   

Layouts Install

Only those Templates that may be uninstalled are accessible. The default Template may not be removed.


#	Template	Client	Version	Date	Author	Compatibility
1	<input type="checkbox"/> Black	Site	1.0.0	30-jan-20010	Edwin2Win sprlu	

Display # 20

Layouts are used to change the front-end rendering.

Not only the colors and looks but also the content displayed.

For example it is possible to create a layout that would display the websites like a « directory » of websites for a « portal »

 **JMS2Win - JoomlaDay - Master** Version 1.5.15

Site Menus Content Components Extensions Tools Help

 **Layouts manager**  

Layouts Install

Upload Package File

Package File:

Install from Directory

Install Directory:

TOOLS TO SUPERVISE THE WEBSITES

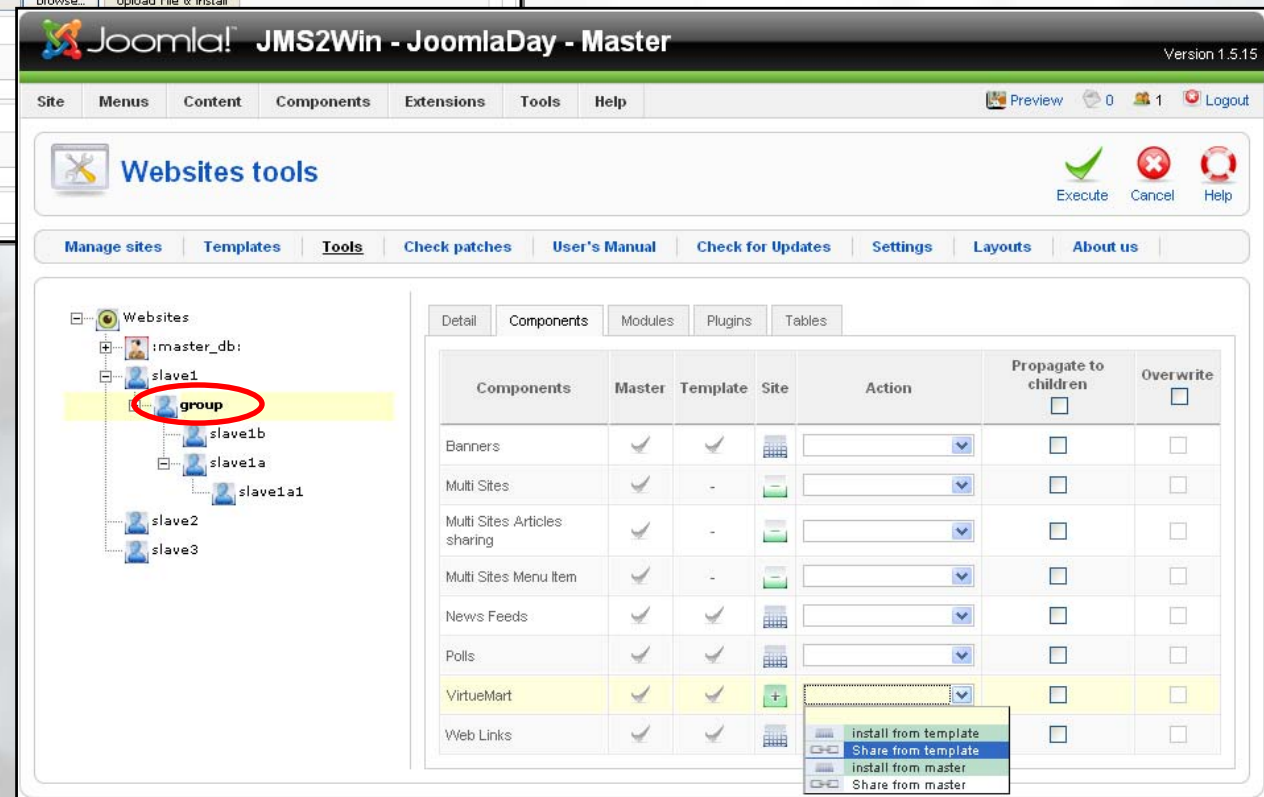


The installation of an extension can be done:

- From the slave site itself
« Extension /Installation »

OR

- With the « tool » menu that allows connecting on the slave site DB to perform the install, the sharing or uninstall of an extension with facultative propagation to the children.



PARTIAL USER SHARING

Gives the possibility to define on which website a shared user has access.

	Slave 1			Slave 2			Slave 3		
	Slave 1			Slave 2			Slave 3		
User A 		Registered						Super Admin	
User B 		Registered		Publisher					
User C 		Super Admin		Registered		Registered			

USER/SITES MANAGEMENT

Administration

SiteUsersMenusContentComponentsExtensionsHelpNone Logged-in frontend1 Logged-in backendNo messagesView SiteLog out

User/Site management

About usUser's ManualUser's site permissions

Record successfully saved

Filter: Go Reset

- No User -

- Sites -

Num	<input type="checkbox"/>	User name	Name	Site ID	Site Name	default	id
1	<input type="radio"/>	userA	User A	slave1.mywebsite2win.org	Demo JMS - Slave 1		1
2	<input type="radio"/>	userB	User B	slave1.mywebsite2win.org	Demo JMS - Slave 1		2
3	<input type="radio"/>	userC	User C	slave1.mywebsite2win.org	Demo JMS - Slave 1		3
4	<input type="radio"/>	userB	User B	slave2.company2win.net	Demo JMS - Slave 2		4
5	<input type="radio"/>	userC	User C	slave2.company2win.net	Demo JMS - Slave 2		5
6	<input type="radio"/>	userA	User A	slave3.societe2win.org	Demo JMS - Slave 3		6
7	<input type="radio"/>	userC	User C	slave3.societe2win.org	Demo JMS - Slave 3		7

Display # 20

JOOMLA – USER MANAGER

Administration

Joomla!

[Site](#)
[Users](#)
[Menus](#)
[Content](#)
[Components](#)
[Extensions](#)
[Help](#)

None Logged-in frontend
 1 Logged-in backend
 No messages
 View Site
 Log out

User Manager: Users

New
 Edit
 Activate
 Block
 Unblock
 Delete
 Options
 Help

[Users](#)
[User Groups](#)
[Viewing Access Levels](#)

Search Users

Filter Users by:

- State -

- Active -

- Group -

<input type="checkbox"/>	Name	User Name	Enabled	Activated	User Groups	Email	Last Visit Date	Registration Date	ID
<input type="checkbox"/>	User A	userA			Registered	userA@	Never	2011-11-30 17:43:45	46
<input type="checkbox"/>	User B	userB			Registered	userB@	Never	2011-11-30 17:44:30	47
<input type="checkbox"/>	User C	userC			Super Users	userC@	Never	2011-11-30 17:45:07	48

Display # 20

Slave 2

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<input type="checkbox"/>	User B	userB				userB@	Never	2011-11-30 17:44:30	47
<input type="checkbox"/>	User C	userC				userC@	Never	2011-11-30 17:45:07	48

Display # 20

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USER PROFILE – ASSIGNED USER GROUPS

Administration Joomla!

Site Users Menus Content Components Extensions Help None Logged-in frontend 1 Logged-in backend No messages View Site Log out

User Manager: Edit Profile

Save Save & Close Save & New Close Help

Account Details

Name * Super User

Login Name * admin

Password

Confirm Password

Email * info@jms2win.com

Registration Date 2011-07-19 18:35:24

Last Visit Date 2011-08-21 09:19:51

Receive System emails ☐ No ☒ Yes

Block this User ☒ No ☐ Yes

ID 42

Basic Settings

Backend Template Style - Use Default -

Backend Language - Use Default -

Frontend Language - Use Default -

Editor - Use Default -

Help Site - Use Default -

Time Zone - Use Default -

Assigned User Groups

☐ Public

☐ Manager

☐ Administrator

☐ Registered

☐ Author

☐ Editor

☐ Publisher

☒ Super Users

Single Sign-In (SSI)

1. The objective is to remain logged when you change of website.

This mean that you need to share the sessions between the website and that the service is able to retrieve the session information

2. Three cases are possibles.

Website as subdirectories of same domain.

- **Domain.com/subsites**

In this case, the server is able to retrieve the session info automatically. No specific configuration is required.

Websites as subdomains.

- **Subdomains.domain.com**

In this case, it is possible to setup the HTTP server (apache or IIS) to use the « cookie_domain » to share the session between all the subdomain of a specific domain. In Joomla 1.7 or 2.5, see the global configuration.

Enter a value like = « .domain.com ».

Put a dot at the begining. This mention « any subdomain » (wildcard) of the « domain.com »


*Only works when suhosin apache module is **NOT** present to restrict the session sharing*

Websites with different domains name





- **Domain1.com, Domain2.com, ...**

In this case, the HTTP Server is not able to share the session and the **SSI Domain** extension is required to « ping » the other websites with the necessary information required to allow the other websites retrieving the shared session information.

JOOMLA GLOBAL CONFIGURATION – Cookie Domains

 **Global Configuration**

Case of subdomains

 Save  Save & Close  Cancel  Help

Site | System | Server | Permissions

Site Settings

Site Name *

Site Offline ☐ Yes ☒ No

Offline Message
☐ Hide ☒ Use Custom Message ☐ Use Site Language Default Message

Custom Message

Default Editor *

Default Access Level *


Default List Limit

Default Feed Limit

Feed email

SEO Settings

Search Engine Friendly URLs ☒ Yes ☐ No

Use URL rewriting  ☐ Yes ☒ No

Adds Suffix to URL ☐ Yes ☒ No

Unicode Aliases ☐ Yes ☒ No

Include Site Name in Page Titles

Cookie Settings

Cookie Domain

Cookie Path

Metadata Settings

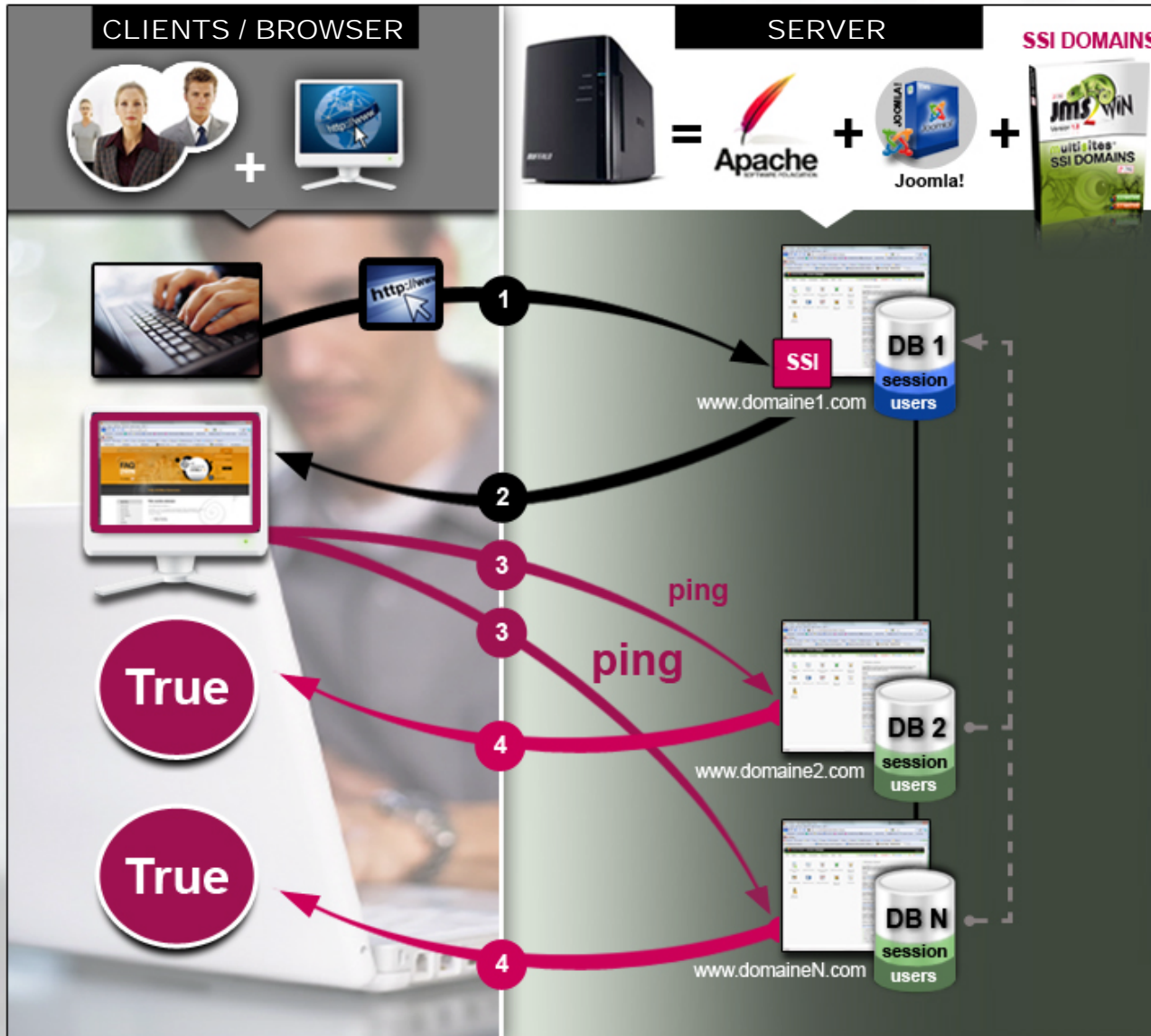
Site Meta Description

Site Meta Keywords

Content Rights

Show Author Meta Tag ☒ Yes ☐ No

CONCEPT OF THE SSI DOMAINES

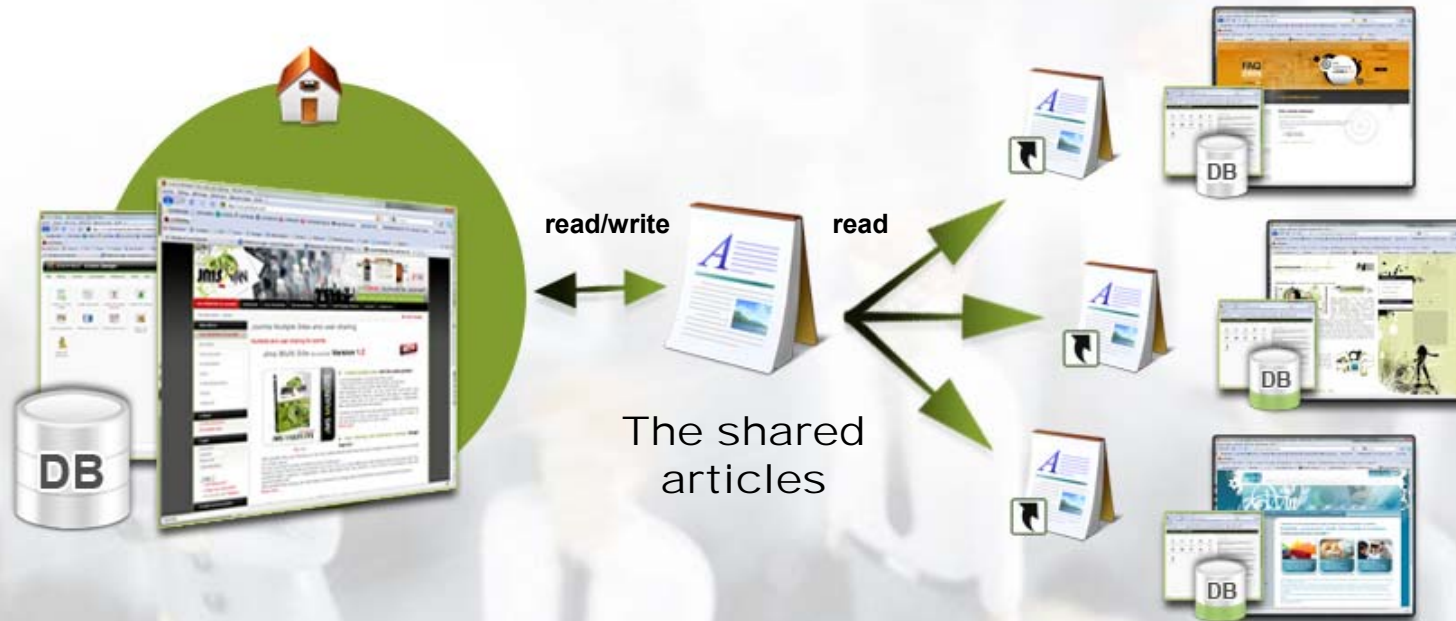


- 1 Post a request to get a page from "domain1.com".
- 2 Receive the HTML page to display in the browser of the user.
- 3 Send info (ping) to the the other domain to remain logged.
- 4 Receive a status relative to the "synchronization".

ARTICLES SHARING

ARTICLE SHARING

Possibility to share individual articles, front-page articles, sections and categories.

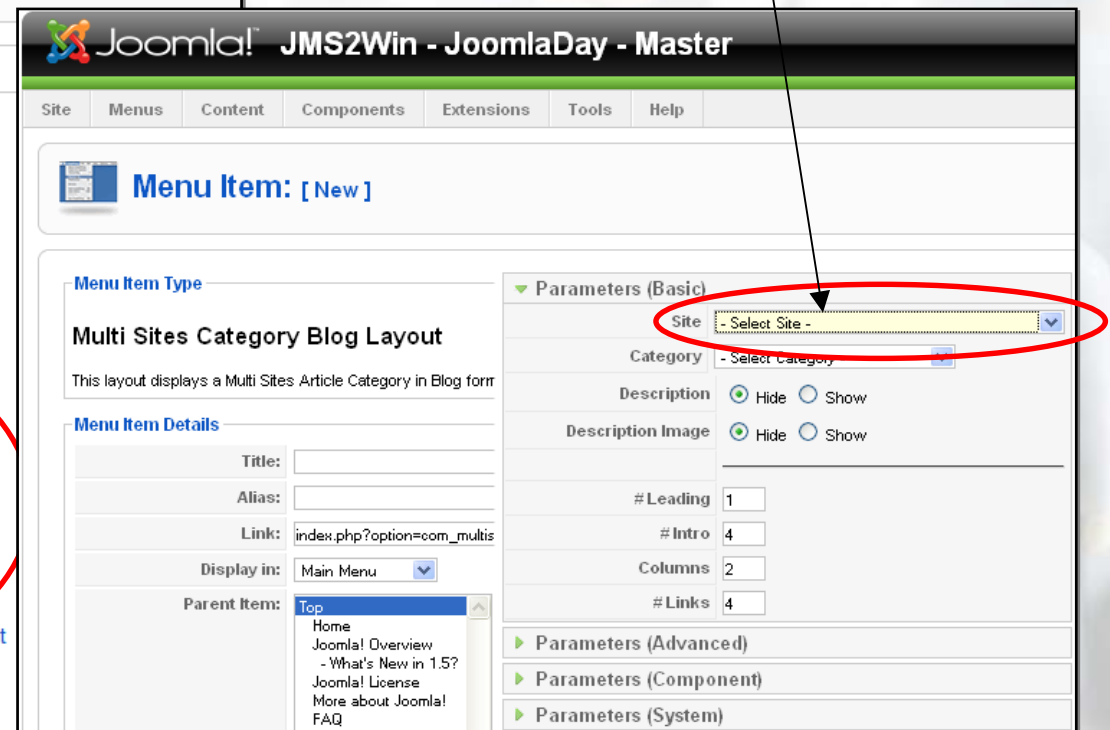
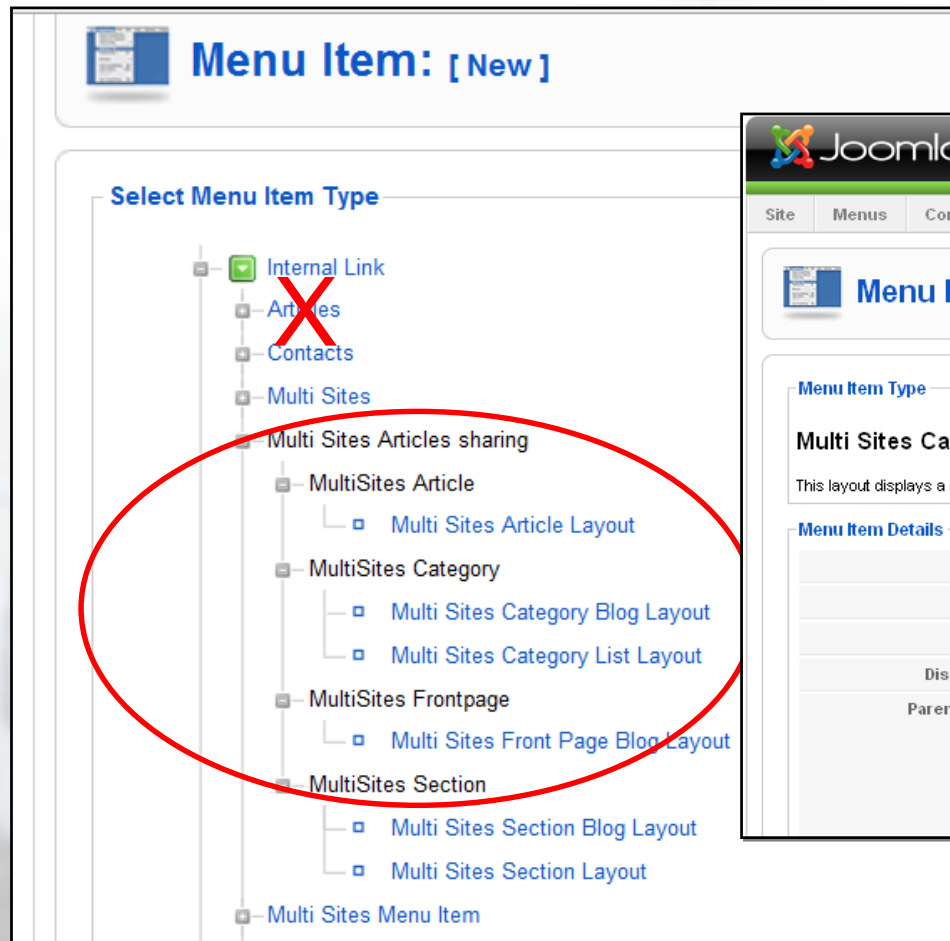


Possibility to select FROM which website the article, category or section must be read. PULL the articles.

MENU « SHARING OF ARTICLES »

From
any slaves sites

Slave 1, slave 2, slave 3,...



ARTICLE SHARING FOR JMS MULTI SITES

Compare the standard joomla with
« Multi Sites Article Sharing ».

The image shows two Joomla! Menu Item configuration screens side-by-side. The top screen is for 'Standard Joomla' and the bottom screen is for 'Multi Sites Article Sharing'. Both screens have a yellow header bar with the title 'Menu Item: [New]' and a yellow box with the title. The top screen has a yellow box with the title 'Standard Joomla' and a 'Save' button. The bottom screen has a yellow box with the title 'Multi Sites Articles Sharing adds the selection of the website where the article to display is stored' and a 'Save' button. The bottom screen also has a red box around the 'Multi Sites' tab and a red box around the 'Site' dropdown menu in the 'Parameters (Basic)' section, with a red arrow pointing to it.

Standard Joomla

Menu Item Type: Article Layout
The Article Layout displays a single Article.

Menu Item Details:
Title: Standard Joomla Article
Alias:
Link: index.php?option=com_content&view=article

Parameters (Basic):
Select Article: Select an Article Select

Parameters (Component):
Parameters (System):

Multi Sites Article Sharing

Menu Item Type: Multi Sites Article Layout
The Multi Sites Article Layout displays a single Article.

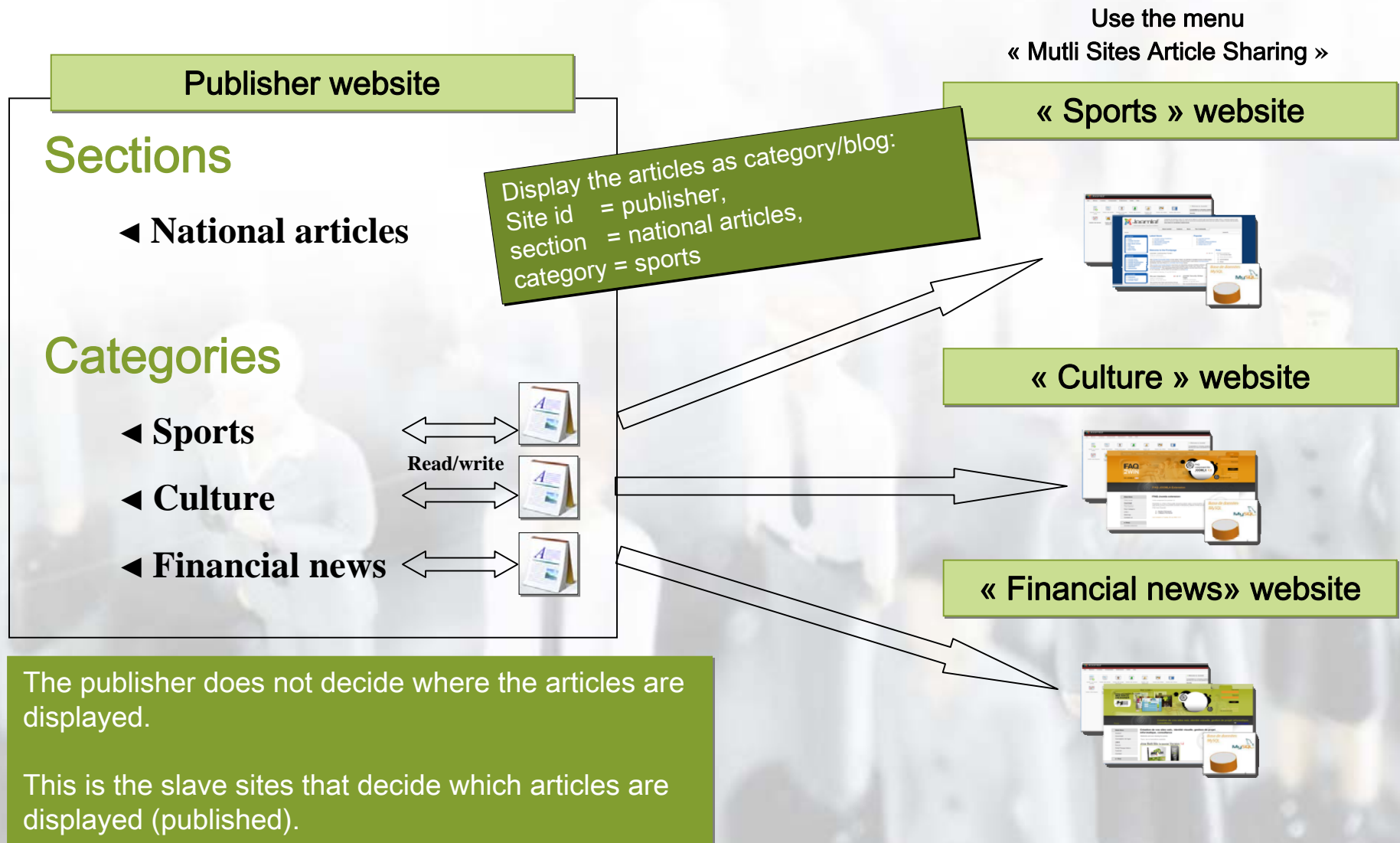
Menu Item Details:
Title: Multi Sites article
Alias:
Link: index.php?option=com_multisitescontent&view=article
Display in: Main Menu

Parameters (Basic):
Site: Select Site -
Select Article: Select an Article Select

Parameters (System):

- Require JMS MULTI SITES to retrieve the configurations
- Works with MySQL 4.0
- Can NOT submit an article for another website

ARTICLE SHARING – POSSIBLE ORGANISATION



WHY USE JMS MULTI SITES ?

Save time

- To update the content of the websites with benefit of sharing a limited number of extensions and with the sharing of articles.
- To create new websites :
 - With benefit of the templates of websites ready to use.
 - With benefit of the sharing of directories that just require creating a DB when building a new website.
 - With benefit that the final user can create the websites themselves (300 persons * 1 site is easier than 1 administrateur * 300 sites).
- To update Joomla and its extensions as there is only one instance of the PHP code.

Save money

- Multi Level Marketing possibilities. Minisites specialized on some « keyword » to promote the products and therefore increase their sales.
- Reduce disk space with a lower number of files and folders to maintain. (Maybe a solution when the number of iNodes is limited - ie: 250.000).
- Hosting less expensive.
- As you save time, you win money.



WHO USES JMS MULTI SITE TODAY ?



- Public administrations to equip mayors, cities, districts, departments, ...
- Schools to equip departments, promote projects, provide sites for students to training, ...
- Some large companies with many subsidiaries, representatives, dealers, projects, departments, present in several countries, ...
- Companies who want to use the Multi Level Marketing and create mini-sites for the promotion products, ...
- Online stores with several sites who want to share a single catalog of products, ...
- Websites such as newspapers, local publications, information services and themes destined to specific professions (eg doctor), ...

OUR OTHER PRODUCTS



jms2win.com

Share the users partially between websites.



mywebsite2win.com

Portal for the creation of website based on website ready to use.



jms2win.com

Allow remaining logged when a user change of domain.



ws2win.com

Coming soon : Template for Joomla. Layouts for the Jms Multisites front-end.



JMS MULTI SITES

Joomla day Strasbourg 24th and 25th march 2012.

www.jms2win.com

13-Mar-2012

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CONCLUSION

Thank you to the organizers of **Joomla Day Strasbourg** gave us the opportunity to present our extension

"JMS MULTI SITES".

Thank you again for your attention !



For more information on **JMS MULTI SITES**, come see our videos and visit our website.

www.jms2win.com



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