# BaSyLiCA setup under Windows XP/Vista/7

- 1. Download the zip file
  - a. Un zip the zip file
  - b. Go to the installation folder
- 2. Setup Wamp Server 2
  - a. Choose the path C:\Wamp
- 3. Setup MySQL compatible with R: click the executable "WampServer2-MYSQL5051b.exe"
- 4. Copy into the directory "C:\Wamp\www\" the folder named "basylica"
- 5. Launch Wamp, click on the icon 💉 on the desktop, the icon 🐵 appears in the taskbar near the clock

N.B. : for any use of the tool BaSyLiCA, you must first start Wamp

6. Change the default version of MySQL, go to the icon 📾 near the clock, click on MySQL version and then check 5.0.51b



#### 7. Set the environment variable MYSQL\_HOME

- a. Click with right mouse click on "My Computer" or "computer"
- b. Then "Advanced system settings"
- c. And "environment variables"
- d. In "System Variables" select "New ..."

Propriétés système			×
Nom de l'ordinateur			Matériel
Paramètres système avancés	Protection d	u système	Utilisation à distance
Vous devez ouvrir une session d'administrateur pour effectuer la plupart de ces modifications.			
Performances			
Effets visuels, planification du processeur, utilisation de la mémoire et mémoire virtuelle			
			Paramètres
Paramètres du Bureau liés à v	votre ouvertur	e de session	Paramètres
Démarrage et récupération			
Informations de démarrage du système, de défaillance du système et de débogage			
Paramètres			
Variables d'environnement			
	ОК	Annu	ler Appliquer

Propriétés système		X
Nom de l'ordin	ateur	Matériel
Variables d'environnem	ent	X
Modifier la variable systè	ème	
Nom de la variable :	MYSQL_HOM	E
Valeur de la variable : C:\wamp\bin\mysql\mysql\mysql5.0.51b		
	(	OK Annuler
Variables système		
Variable	Valeur	<u>^</u>
ComSpec	C:\Windows\syste	am32\cmd.exe
MYSQL_HOME	C:\wamp\bin\mys	ql\mysql5.0.51b
NUMBER_OF_P	4	•
No	ouvelle	lodifier Supprimer

- e. Complete as me: "Name of variable: MYSQL\_HOME", "Variable Value: C:\ wamp\bin\ mysql\ mysql5.0.51b"
- f. Confirm

## 8. Setup R

- a. Launch the executable R-2.10.0-win32.exe "
- b. Preferably choose "C:/Users/My\_account/R/R-2.10.0" as the installation directory

## 9. R address setting in the tool

- a. Open the file "env.php" located "C:\ Wamp\www\basylica\" with a text editor
- b. Mark the area to be changed (indicated by large arrows "début de zone à modifier" (beginning of zone to change) and " fin de zone à modifier" (end zone to modify)
- c. Replace the text "ZOME A MODIFIER" (ZONE CHANGE) by the address of the file "R-2.10.0" selected during the installation of R
- d. Be sure to use the character "/" as directory separator and not "\"

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11				
11				
11				
11			DEBUT DE ZONE A MODIFIE	ER
11				
11		=====		
11		===		
11		=		
	SAdrP="C. / ZONE A MODIE	TED /D/D_2 1	0.0/hin/".	
	QAULK- C./ LONE A HODII	FILK /K/K-2.1	0.0/D11/ /	
11	VALIN- C.7 ZONE A HODIT	=	0.0/Din/ ,	
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    	QALIN- C., LONE A HODIT	= ===	, , , , , , , , , , , , , , , , , , ,	
    		= === ====	, , , , , , , , , , , , , , , , , , ,	
11 11 11		= === =====	FIN DE ZONE A MODIFIER	
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		= _ = _ =	FIN DE ZONE A MODIFIER	

## 10. Setup the package DBI rmysql

- a. Open Rgui R-2.10.0, then go in menu 5: "Packages"
- b. Click on "install package(s) from files zip"
- c. Select "DBI\_0.2-5.zip" then repeat the action with "RMySQL\_0.7-4.zip"

🥂 RGui			
Fichier Edition Voir Misc Pa	ckages Fenêtres Aide		
🖻 💾 🖶 🔁 🕻	Charger le package		
R Console	Choisir le site miroir de CRAN Choisir les entrepôts		
R version 2.10.0 (20) Copyright (C) 2009 TI	Installer le(s) package(s) Mettre à jour les packages		
ISBN 3-900051-07-0	Installer le(s) package(s) depuis des fichiers zip		
R est un logiciel libre livré sans AUCUNE GARANTIE. Vous pouvez le redistribuer sous certaines conditions. Tapez 'license()' ou 'licence()' pour plus de détails.			
R est un projet collaboratif avec de nombreux contributeurs. Tapez 'contributors()' pour plus d'information et 'citation()' pour la façon de le citer dans les publications.			
Tapez 'demo()' pour des démonstrations, 'help()' pour l'aide en ligne ou 'help.start()' pour obtenir l'aide au format HTML. Tapez 'q()' pour quitter R.			
[Sauvegarde de la session précédente restaurée]			
>			

- 11. Execution of the script "basylica\_mysql.sql" or "basylica\_full\_mysql.sql" for the database creation
  - a. Click on the icon a on the taskbar near the clock, then click "phpMyAdmin" on second line



b. In "phpMyAdmin" go to the homepage and click on the tab "import" completely at the right



- c. Go to "Select a file" and select the file "basylica\_mysql.sql" for an empty database or "basylica\_full\_mysql.sql" for a database initialized with a plate in the installation folder
- d. Click on execute, check in the right margin that "basylica" appears and leave the web page

#### 12. Launch application

- a. return to the icon "Wamp" 🙉 on the taskbar near the clock and click on "localhost"
- b. Click on "basylica" in the field "Your Projects" (Vos Projets)

<b>X</b> WampServe	q	
Configuration S	erveur	
Version de Apache:	2.2.11	
Version de PHP:	5.3.0	
Extensions Chargées: Version de MySQL:	Core date date conv pore tokenizer PDO myreader mysql 5.0.51b	<ul> <li>bcmath</li> <li>ereg</li> <li>json</li> <li>Reflection</li> <li>zip</li> <li>Phar</li> <li>xmlwriter</li> <li>mysqli</li> </ul>
Outils / phpinfo() / phpmyadmin		
Vos Projets Dasylica		
Vos Alias 阔 phpmyadmin		

#### 13. Login

- a. For the first use enter the login and password as follows:
  - Login : basylica\_default
  - **Password :** basylica2010
- b. You can then create new personal accounts in the "Admin" part, "Add a new user"

Autentification			
<ul> <li>Home</li> <li>Help</li> </ul>			
Data and Information Import: Data upload (.csv file)  Growth conditions	Login: Password:		
<ul> <li>Microtiterplate design</li> <li>Shift experiments (only)</li> <li>Bacterial strain properties</li> </ul>	SUBMIT		

## 14. Web server mode/Put Basylica online

a. Click on the icon @ on the taskbar, then click "Put online" on the last line



- b. Change the options in the Windows firewall to allow incoming connections from the Apache server:
  - I. Go to the « Start » menu and click on « Control panel»
  - II. Depending on the windows configuration, click directly on « Windows firewall » or Click on « Network and Internet Connections », then on « Windows firewall »
  - III. Go to the tab « Exceptions » and check the box « Apache HTTP Server »
  - IV. Basylica is now reachable from outside at http://MyIPAdress/basylica