

Installation of OpenBiblio on Windows using EasyPHP

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OpenBiblio



- *OpenBiblio* is an open-source ILS (Integrated Library Software) containing OPAC, circulation, cataloging, and staff administration functionality.

EasyPHP



- EasyPHP is a WAMP (Windows-Apache-MySQL-PHP) bundle. Using EasyPHP, it is easy to manage any web application built on Apache-MySQL-PHP.

Download EasyPHP & OpenBiblio

A faint, light blue world map is visible in the background of the slide, centered behind the text.

- EasyPHP

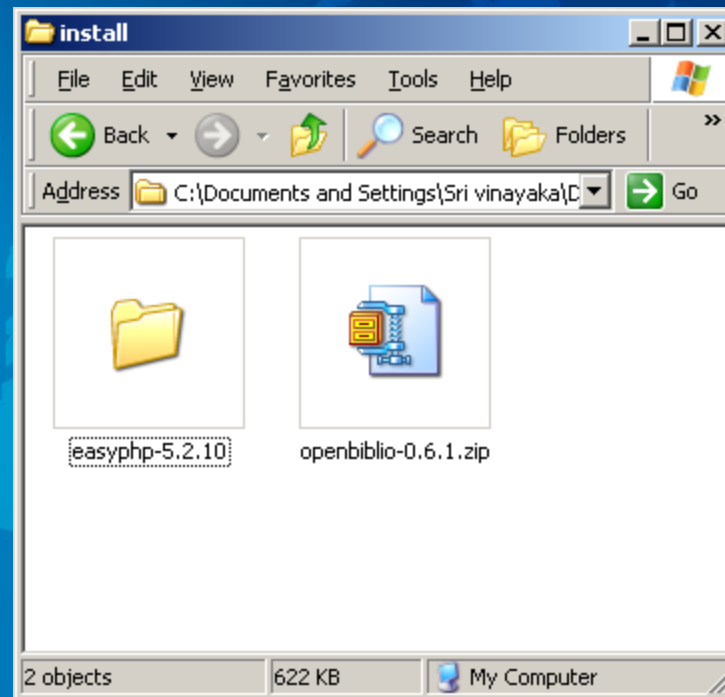
<http://www.easyphp.org/>

- OpenBiblio

<http://obiblio.sourceforge.net/>

Software Versions used in this illustration

- EasyPHP 5.2.10
- OpenBiblio 0.6.1

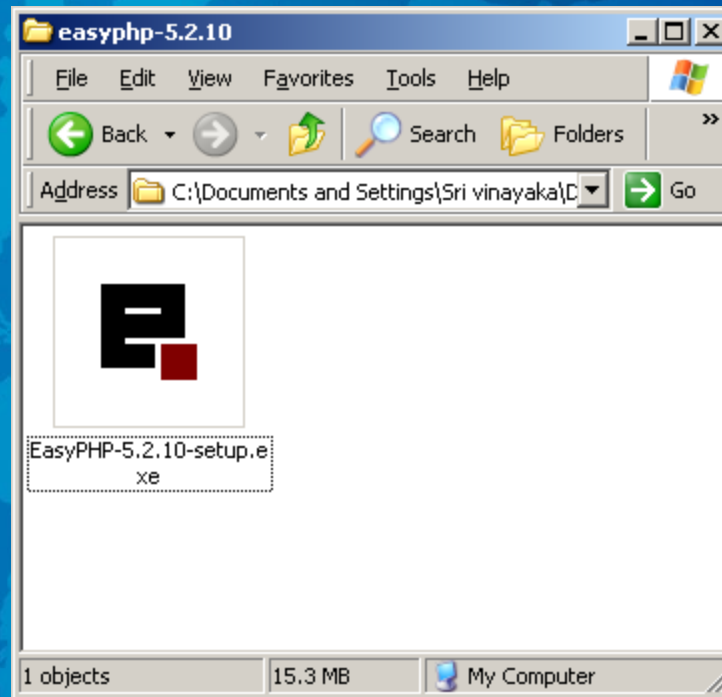


A faint, light blue world map is centered on the page, serving as a background for the text. The map shows the outlines of continents and oceans.

Step 1: Install EasyPHP

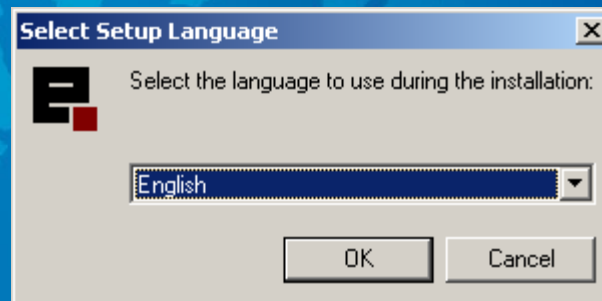
Install EasyPHP

- Double Click the EasyPHP setup file.

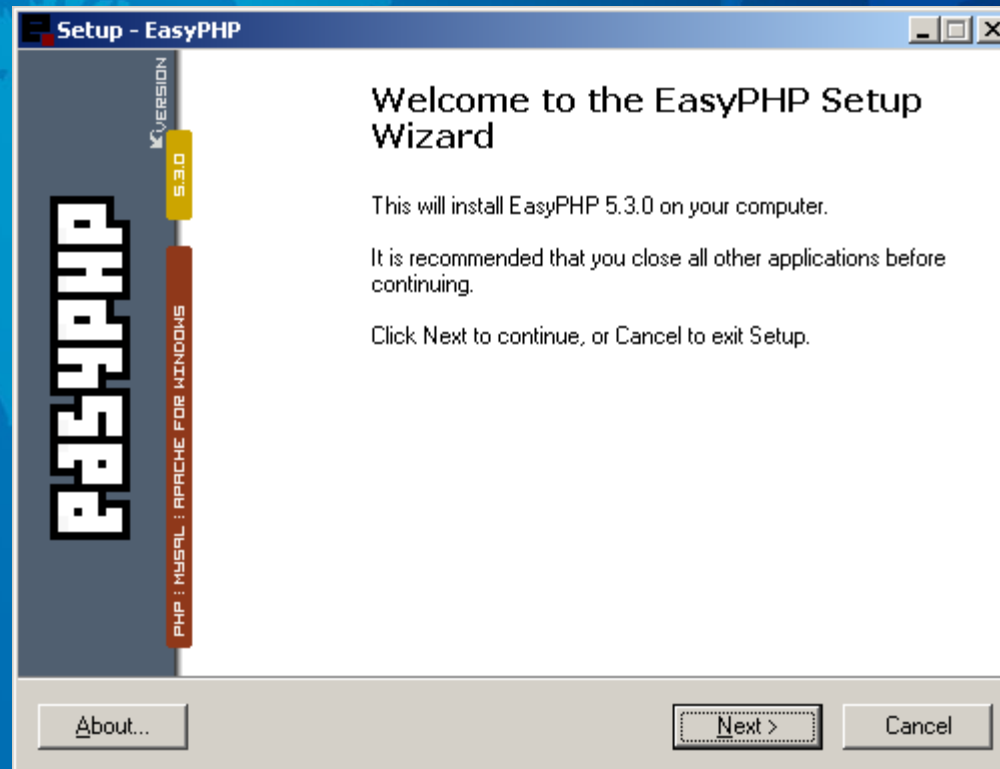


Select Setup Language

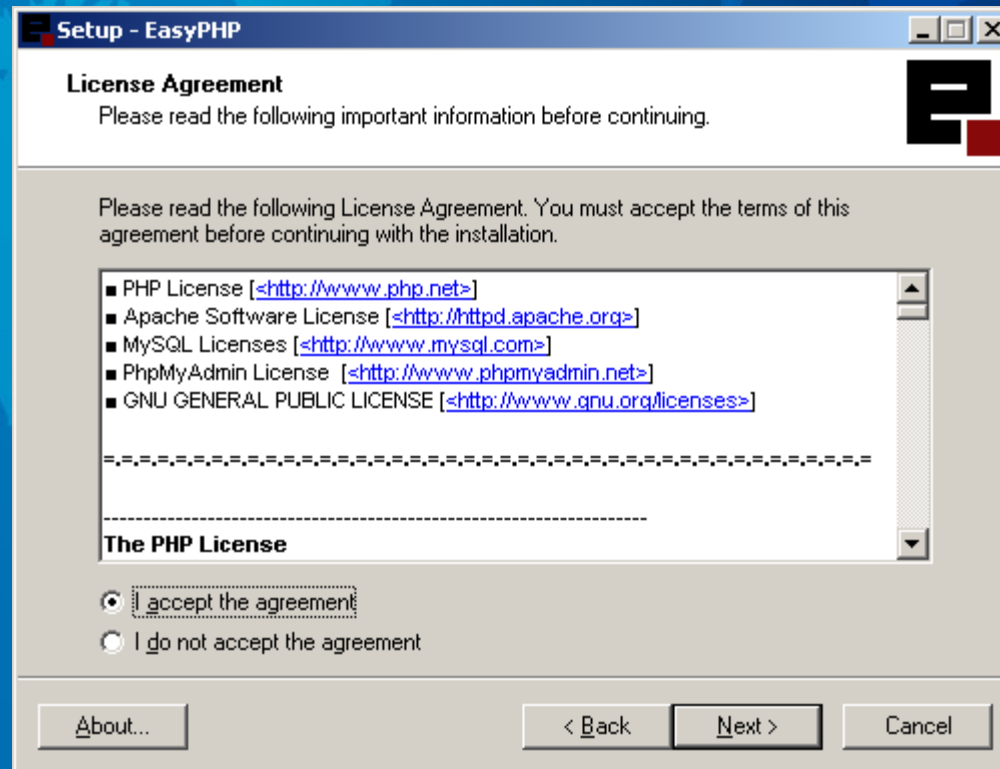
- I chose English (default).



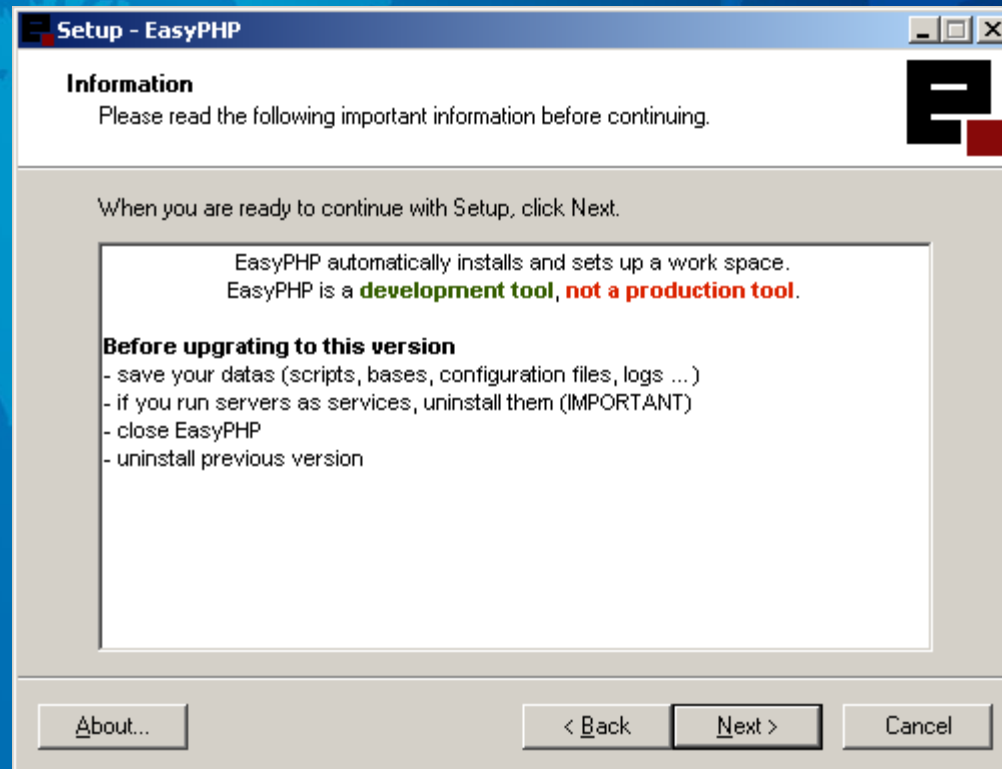
Click “Next”



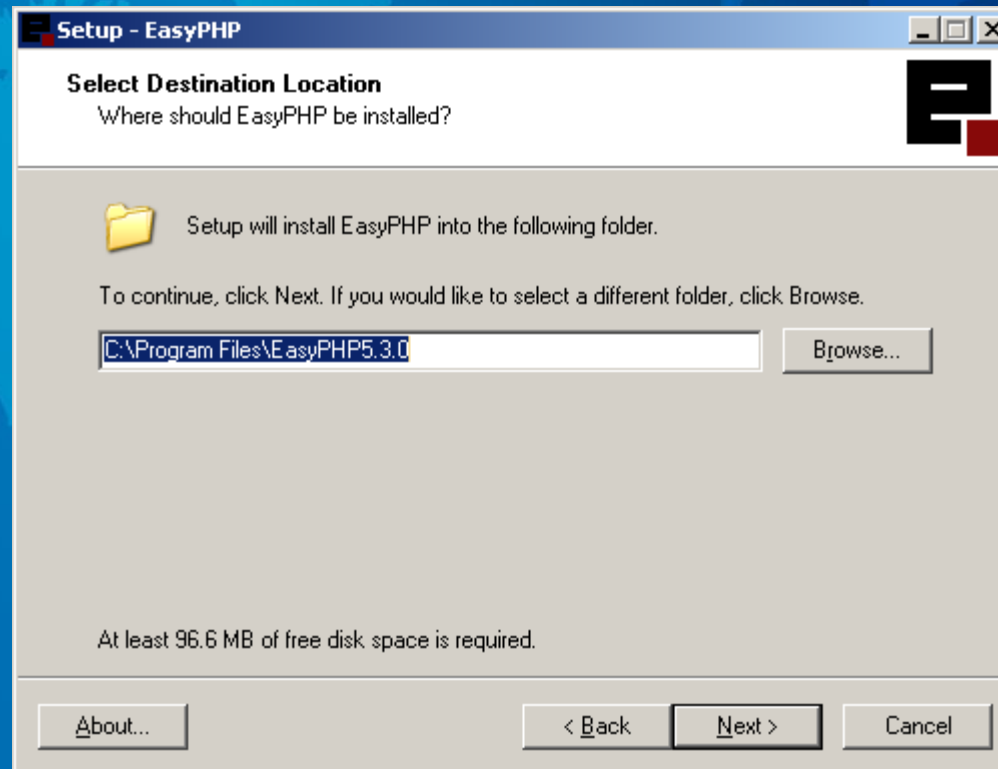
Click on 'I accept the agreement' and click "Next"



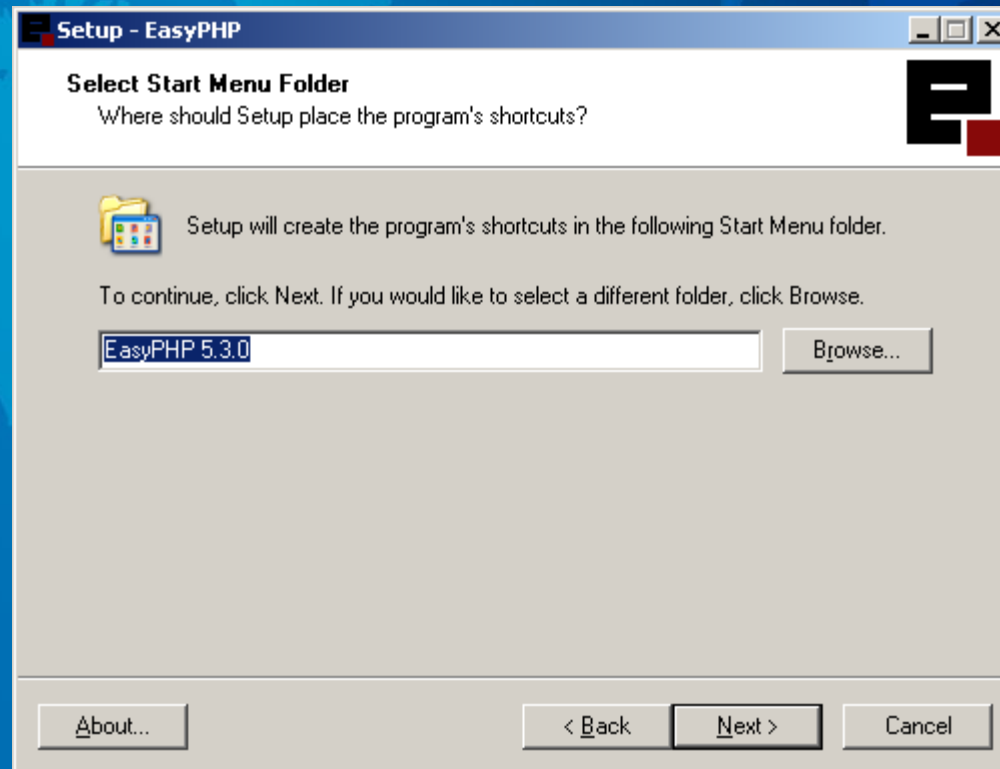
Click “Next”



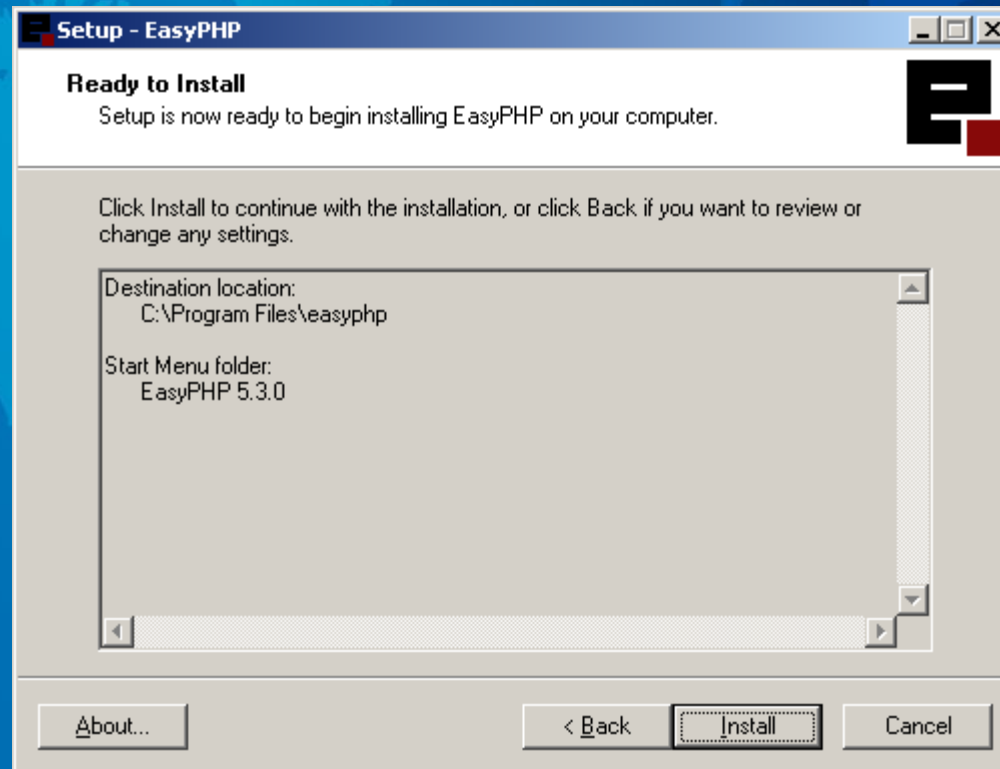
This is the installation location. Click
“Next”



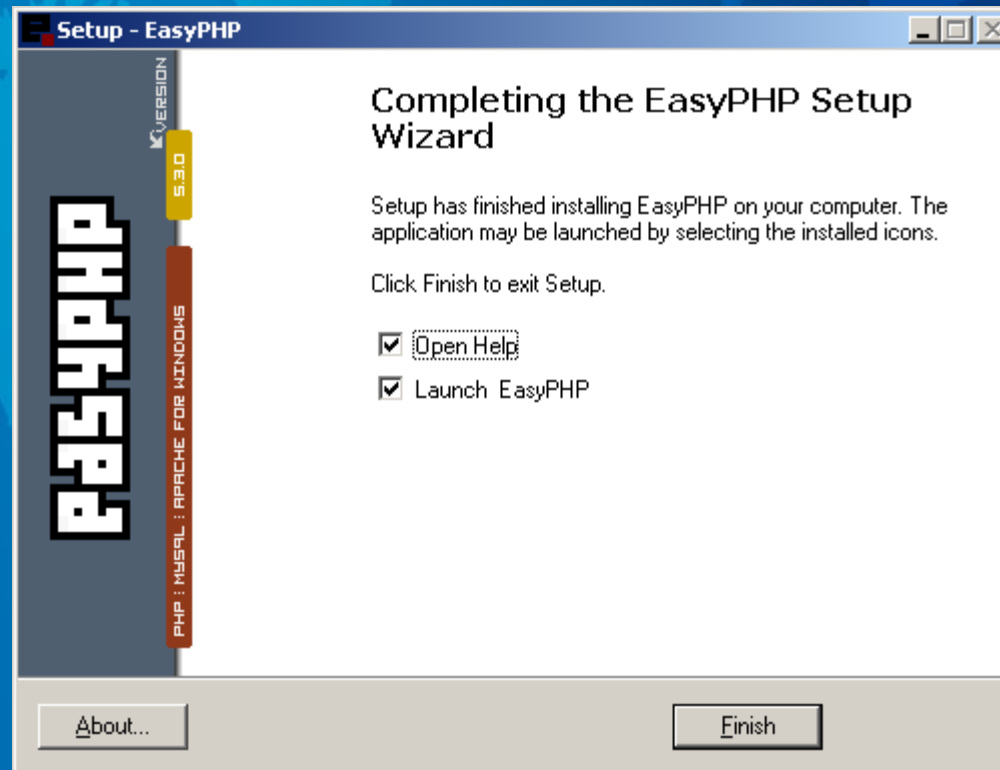
Start Menu Folder. Click “Next”



Click “Install” to begin Installation

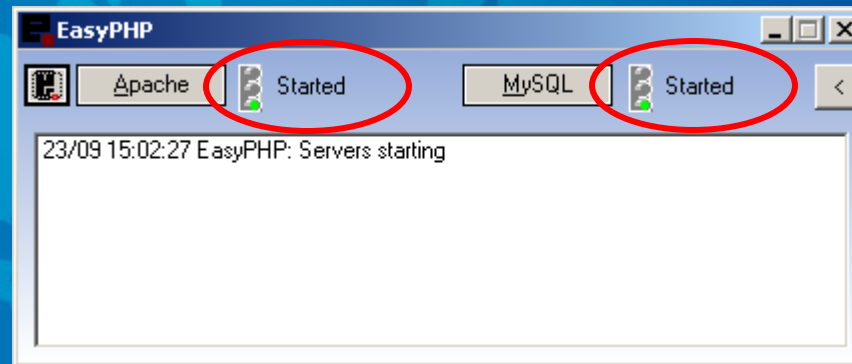


Installation complete. Click “Finish”



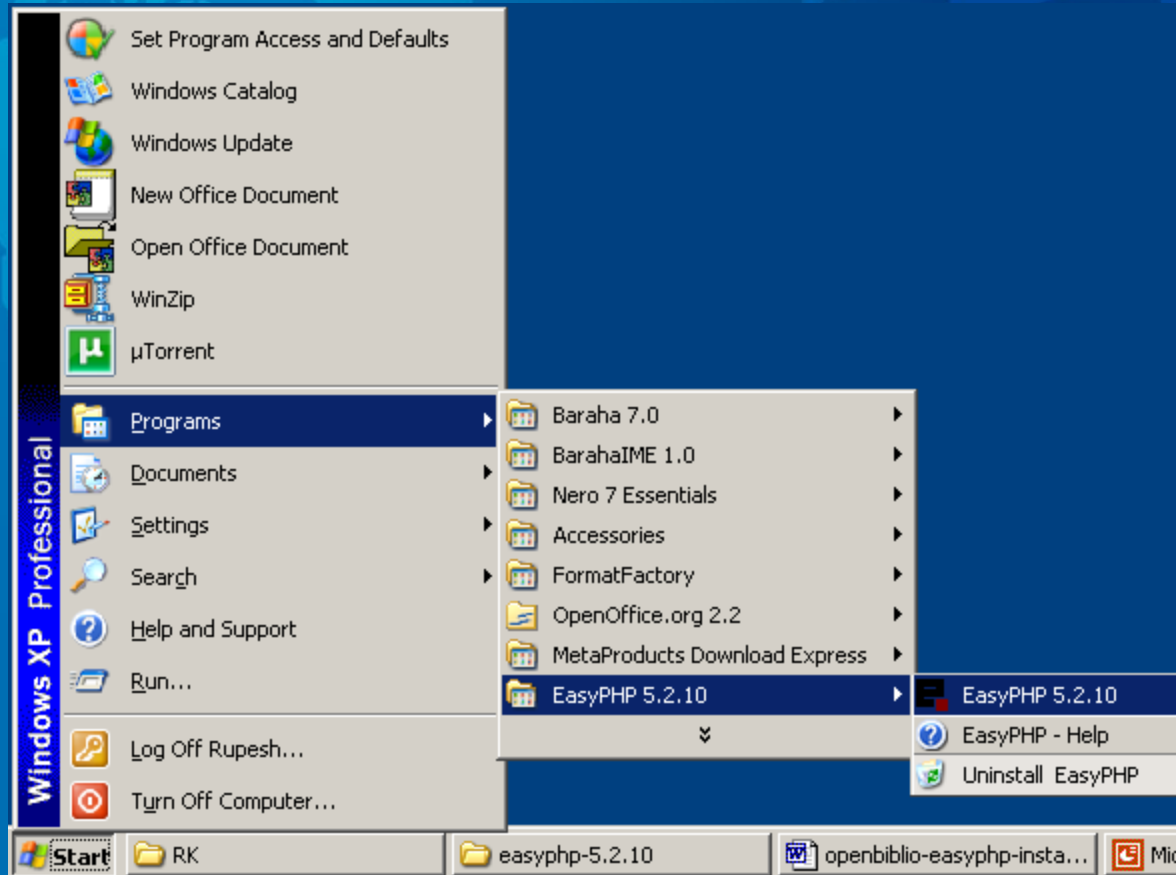
EasyPHP will be launched

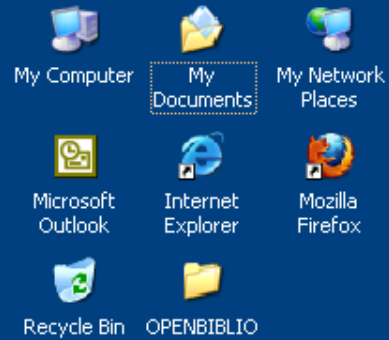
- Apache and MySQL both should be showing 'Started'



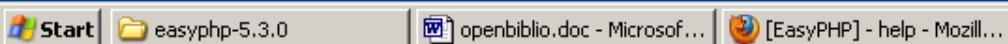
EasyPHP can be started anytime

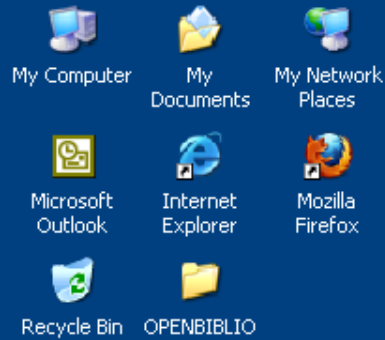
- Start > Program > EasyPHP x.y.z > EasyPHP x.y.z



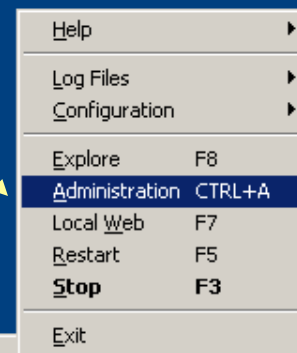


If EasyPHP is started,
the EasyPHP Icon
appears on the System Tray





Right Click on the EasyPHP Icon
And click on “Administration”



EasyPHP Components

A faint, light blue world map is visible in the background of the slide, centered behind the text.

- EasyPHP has the following components:
 - Apache (Local Web)
 - MySQL (database management system)
 - phpMyAdmin (graphical tool to manage database)

PHP 5.3 migration guide

Most improvements in PHP 5.3.x have no impact on existing code. However, there are a **few incompatibilities** and **new features** that should be considered.

If you want to use EasyPHP on an USB key, copy the entire EasyPHP folder on the key. Be sure that all data (databases, scripts, ...) are on the key.

APACHE 2.2.13

LICENCE

LOCAL WEB

Root Document root : C:\Program Files\easyphp\www\ [change] [set to default]

"ALIAS"

[add]

MYSQL 5.1.37

LICENCE

PHPMYADMIN

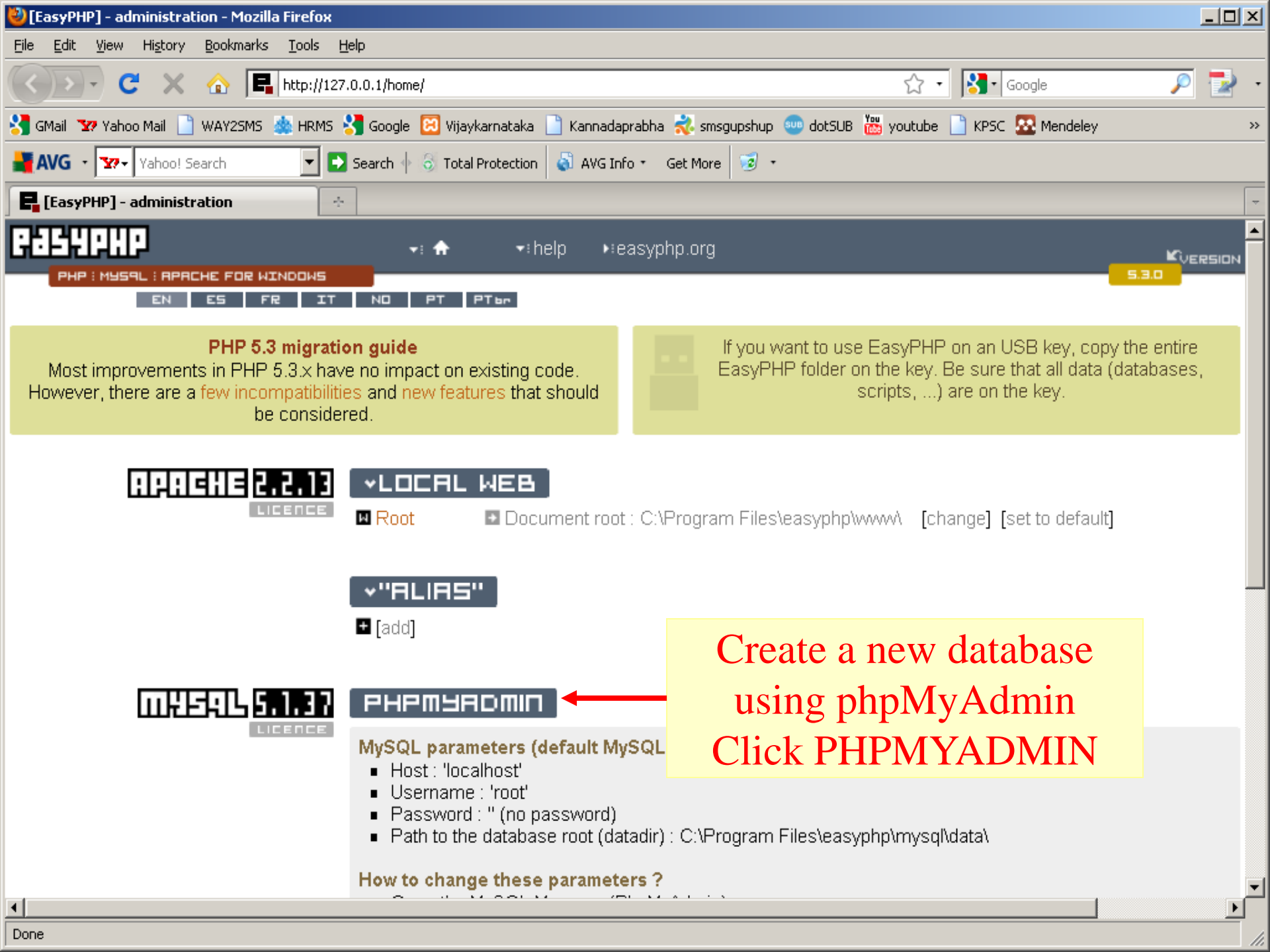
MySQL parameters (default MySQL account)

- Host : 'localhost'
- Username : 'root'
- Password : " (no password)
- Path to the database root (datadir) : C:\Program Files\easyphp\mysql\data\

How to change these parameters ?

A world map is centered in the background, rendered in a light blue color against a darker blue gradient background. The map shows the outlines of the continents.

Step 2: Create openbiblio database



PHP 5.3 migration guide

Most improvements in PHP 5.3.x have no impact on existing code. However, there are a **few incompatibilities** and **new features** that should be considered.

If you want to use EasyPHP on an USB key, copy the entire EasyPHP folder on the key. Be sure that all data (databases, scripts, ...) are on the key.

APACHE 2.2.13

LOCAL WEB

Root Document root : C:\Program Files\easyphp\www\ [change] [set to default]

"ALIAS"

[add]

MYSQL 5.1.37

PHPMYADMIN

MySQL parameters (default MySQL)

- Host : 'localhost'
- Username : 'root'
- Password : " (no password)
- Path to the database root (datadir) : C:\Program Files\easyphp\mysql\data\

How to change these parameters ?

Create a new database using phpMyAdmin
Click PHPMYADMIN

phpMyAdmin



Server: localhost

- Databases
- SQL
- Status
- Variables
- Charsets
- Engines
- Privileges
- Binary log
- Processes
- Export
- Import

Actions

MySQL localhost

Create new database Collation:

Create

MySQL connection collation: utf8_general_ci

Interface

Language: English

Theme / Style: Original

Custom color: Reset

Font size: 82%

MySQL

- Server: MySQL host info: localhost via TCP/IP
- Server version: 5.1.37-community-log
 - Protocol version: 10
 - User: root@localhost
- MySQL charset: UTF-8 Unicode (utf8)

Web server

- Apache/2.2.13 (Win32) PHP/5.3.0
- MySQL client version: mysqlnd 5.0.5-dev - 081106 - \$Revision: 1.3.2.27 \$
- PHP extension: mysql

phpMyAdmin

- Version information: 3.2.1
- Documentation

Type openbiblio and click "Create"



phpMyAdmin



No databases

Type
openbiblio
and
click
"Create"

Server: localhost

- Databases
- SQL
- Status
- Variables
- Charsets
- Engines
- Privileges
- Binary log
- Processes
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Actions

MySQL localhost

Create new database

openbiblio Collation

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MySQL connection collation: utf8_general_ci

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Web server

- Apache/2.2.13 (Win32) PHP/5.3.0
- MySQL client version: mysqlnd 5.0.5-dev - 081106 - \$Revision: 1.3.2.27 \$
- PHP extension: mysql

phpMyAdmin

- Version information: 3.2.1
- [Documentation](#)

phpMyAdmin



Server: localhost Database: openbiblio

Structure SQL Search Query Export Import Designer Operations
Privileges Drop

✓ Database openbiblio has been created.

```
CREATE DATABASE `openbiblio` ;
```

[Edit] [Create PHP Code]

No tables found in database.

Create new table on database openbiblio

Name: Number of fields:

Go

Database
openbiblio
has been
created

A faint, light blue world map is centered on the slide, serving as a background for the text. The map shows the outlines of the continents in a slightly darker shade of blue.

Step 3: Create openbiblio database user

phpMyAdmin



Server: localhost Database: openbiblio

- Structure
- SQL
- Search
- Query
- Export
- Import
- Designer
- Operations
- Privileges**
- Drop

Database openbiblio has been created.

```
CREATE DATABASE `openbiblio` ;
```

[Edit] [Create PHP Code]

No tables found in database.

Create new table on database openbiblio

Name: Number of fields:

Go

Click on "Privileges"

phpMyAdmin



Server: localhost Database: openbiblio

Structure SQL Search Query Export Import Designer Operations

Privileges Drop

Users having access to "openbiblio"

User	Host	Type	Privileges	Grant	Action
root	localhost	global	ALL PRIVILEGES	Yes	

[Add a new User](#)

[Open new phpMyAdmin window](#)

Click on
"Add a new
User"



phpMyAdmin

openbiblio (0)
No tables found in database.

Type
User name:
openbiblio
Host:
localhost
And
Type your
Password

Server: localhost

Databases SQL Status Variables Charsets Engines Privileges
Binary log Processes Export Import

Add a new User

Login Information

User name: Use text field: openbiblio
Host: Use text field: localhost
Password: Use text field:
Re-type:
Generate Password: Generate

Database for user

None
 Create database with same name and grant all pr
 Grant all privileges on wildcard name (username%
 Grant all privileges on database "openbiblio"

Global privileges (Check All / Uncheck All)

Note: MySQL privilege names are expressed in English

I have used 'openbiblio'
as the password



openbiblio (0)
No tables found in database.

Click on
"Grant all
privileges
on database
"openbiblio"

Add a new User

Login Information

User name: Use text field: openbiblio

Host: Use text field: localhost 1

Password: Use text field:

Re-type:

Generate Password: Generate

Database for user

- None
- Create database with same name and grant all privileges
- Grant all privileges on wildcard name (username_%)
- Grant all privileges on database "openbiblio"

Global privileges (Check All / Uncheck All)

Note: MySQL privilege names are expressed in English

phpMyAdmin



openbiblio (0)

No tables found in database.

Database for user

- None
- Create database with same name and grant all privileges
- Grant all privileges on wildcard name (username_%)
- Grant all privileges on database "openbiblio"

Global privileges (**Check All** / **Uncheck All**)

Note: MySQL privilege names are expressed in English

Data

- SELECT
- INSERT
- UPDATE
- DELETE
- FILE

Structure

- CREATE
- ALTER
- INDEX
- DROP
- CREATE TEMPORARY TABLES
- SHOW VIEW
- CREATE ROUTINE
- ALTER ROUTINE
- EXECUTE
- CREATE VIEW
- EVENT
- TRIGGER

Administration

- GRANT
- SUPER
- PROCESS
- RELOAD
- SHUTDOWN
- SHOW DATABASES
- LOCK TABLES
- REFERENCES
- REPLICATION CLIENT
- REPLICATION SLAVE
- CREATE USER

Resource limits

Under Global Privileges, Click "Check All"

phpMyAdmin



openbiblio (0)

No tables found in database.

Database for user

- None
- Create database with same name and grant all privileges
- Grant all privileges on wildcard name (username_%)
- Grant all privileges on database "openbiblio"

Global privileges (Check All / Uncheck All)

Note: MySQL privilege names are expressed in English

Data

- SELECT
- INSERT
- UPDATE
- DELETE
- FILE

Structure

- CREATE
- ALTER
- INDEX
- DROP
- CREATE TEMPORARY TABLES
- SHOW VIEW
- CREATE ROUTINE
- ALTER ROUTINE
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Administration

- GRANT
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- SHUTDOWN
- SHOW DATABASES
- LOCK TABLES
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- REPLICATION SLAVE
- CREATE USER

Resource limits

All Privileges Selected. Now, scroll down and Click "Go"



phpMyAdmin



openbiblio (0)

No tables found in database.

- DELETE
- FILE

- DROP
- CREATE TEMPORARY TABLES
- SHOW VIEW
- CREATE ROUTINE
- ALTER ROUTINE
- EXECUTE
- CREATE VIEW
- EVENT
- TRIGGER

- RELOAD
- SHUTDOWN
- SHOW DATABASES
- LOCK TABLES
- REFERENCES
- REPLICATION CLIENT
- REPLICATION SLAVE
- CREATE USER

Resource limits

Note: Setting these options to 0 (zero) removes the limit.

MAX QUERIES PER HOUR

MAX UPDATES PER HOUR

MAX CONNECTIONS PER HOUR

MAX USER_CONNECTIONS

Click "Go"



i ¹ When Host table is used, this field is ignored and values stored in Host table are used instead.

[Open new phpMyAdmin window](#)

phpMyAdmin



Server: localhost

- Databases
- SQL
- Status
- Variables
- Charsets
- Engines
- Privileges
- Binary log
- Processes
- Export
- Import

openbiblio (0)

No

✓ You have added a new user.

```
CREATE USER 'openbiblio'@'localhost' IDENTIFIED BY '****';

GRANT ALL PRIVILEGES ON *.* TO 'openbiblio'@'localhost' IDENTIFIED BY '****' WITH GRANT OPTION
MAX_QUERIES_PER_HOUR 0 MAX_CONNECTIONS_PER_HOUR 0 MAX_UPDATES_PER_HOUR 0 MAX_USER_CONNECTIONS 0 ;

GRANT ALL PRIVILEGES ON `openbiblio` . * TO 'openbiblio'@'localhost';
```

[Edit] [Create PHP Code]

Edit Privileges: User 'openbiblio'@'localhost' - Database openbiblio

Database-specific privileges (Check All / Uncheck All)

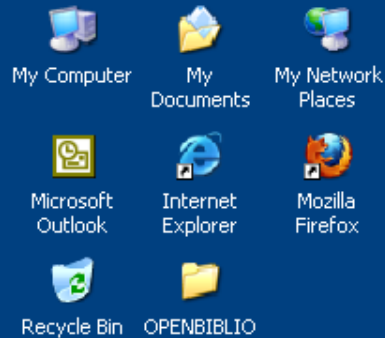
Note: MySQL privilege names are expressed in English

Data	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 checked="" type="checkbox"/> LOCK TABLES

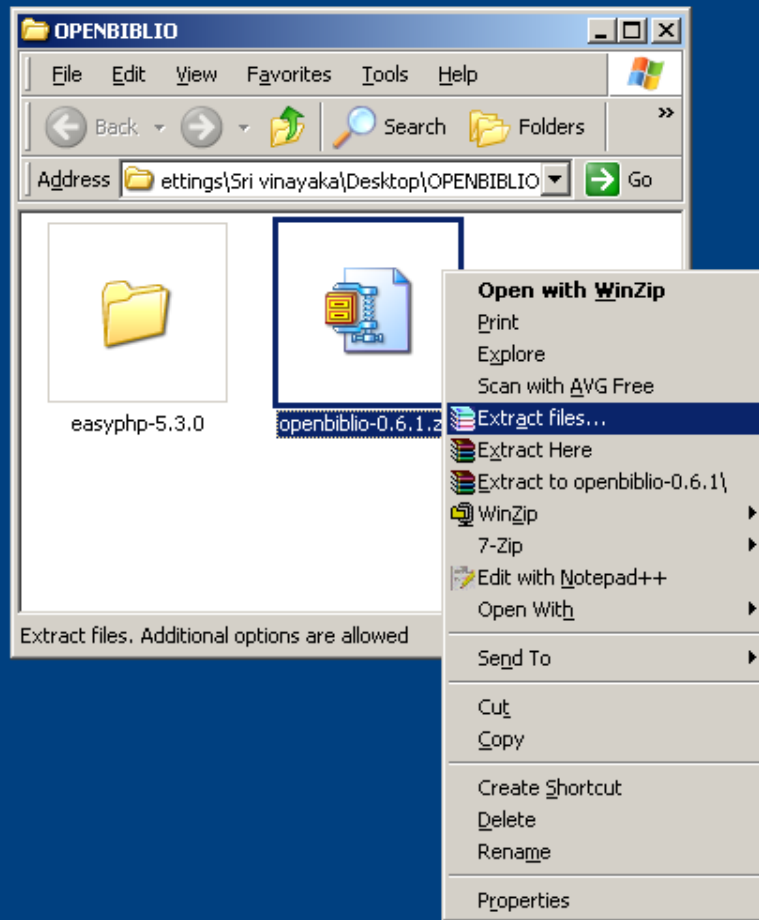
You have added a new User openbiblio

A faint, light blue world map is visible in the background of the slide, centered behind the text.

Step 4: Extract openbiblio files to web server

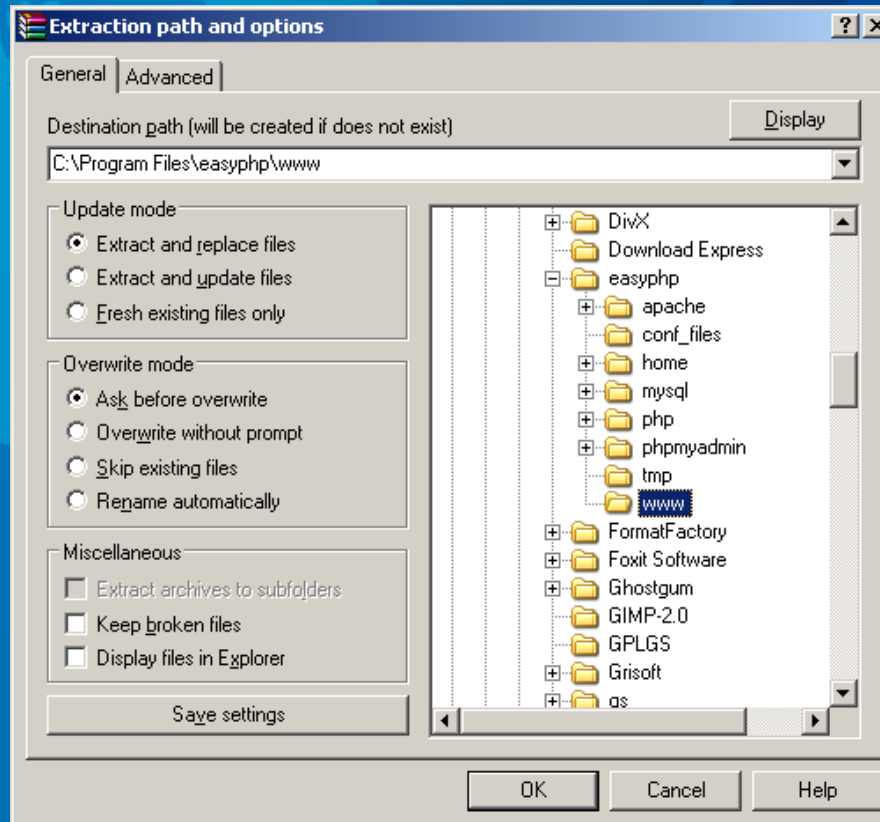


Extract openbiblio
Zip file using any
Extracting utility such
as winzip or
winrar or 7zip

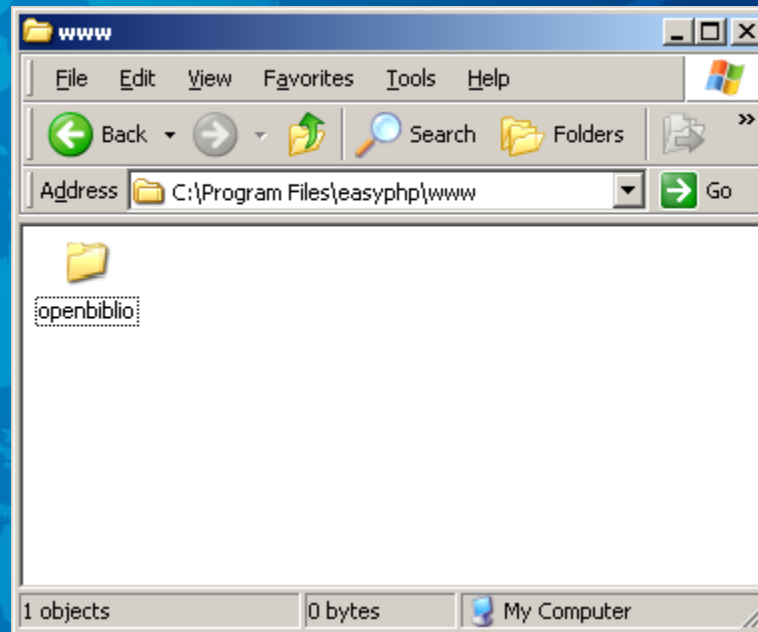



Extract to your local web root folder

- Extract to C:\Program Files\easyphp x.y.z\www folder



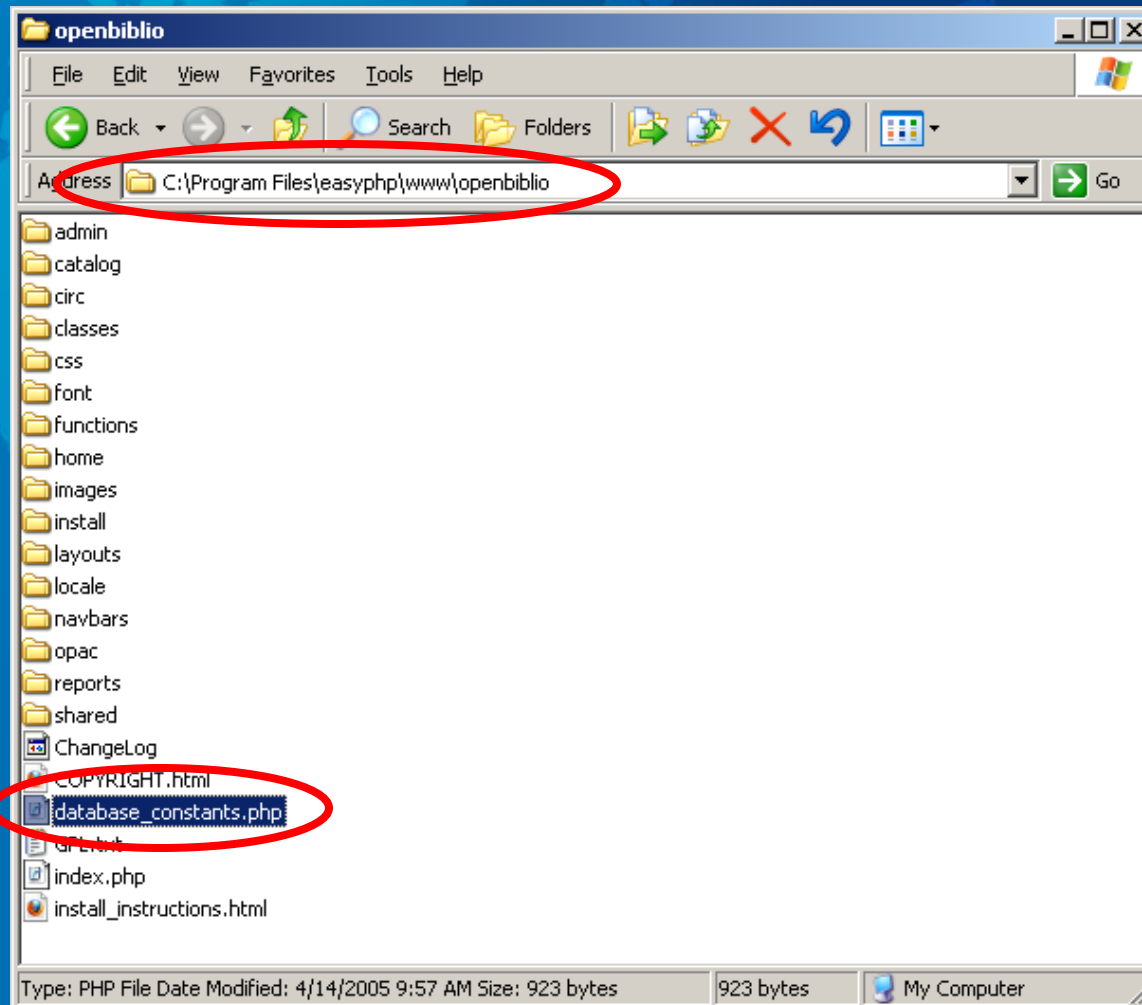
Extracted openbiblio folder



A world map is centered in the background, rendered in a light blue color against a darker blue gradient. The map shows the outlines of continents and oceans.

**Step 5: Enter database name and
database user settings**

Open database_constants.php file using wordpad or any other text editor





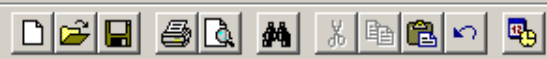
```

<?php
/*****
*
*           A T T E N T I O N !
*
*  ||  Please modify the following database connection variables to match  ||
*  \/  the MySQL database and user that you have created for OpenBiblio.  \/
*****/
*/
define("OBIB_HOST",      "localhost");
define("OBIB_DATABASE",  "OpenBiblio");
define("OBIB_USERNAME",  "your OpenBiblio username goes here");
define("OBIB_PWD",       "your OpenBiblio password goes here");
/*****
*  /\
*  ||
*****/
*/
?>

```

Enter database name,
database username
and password here





```

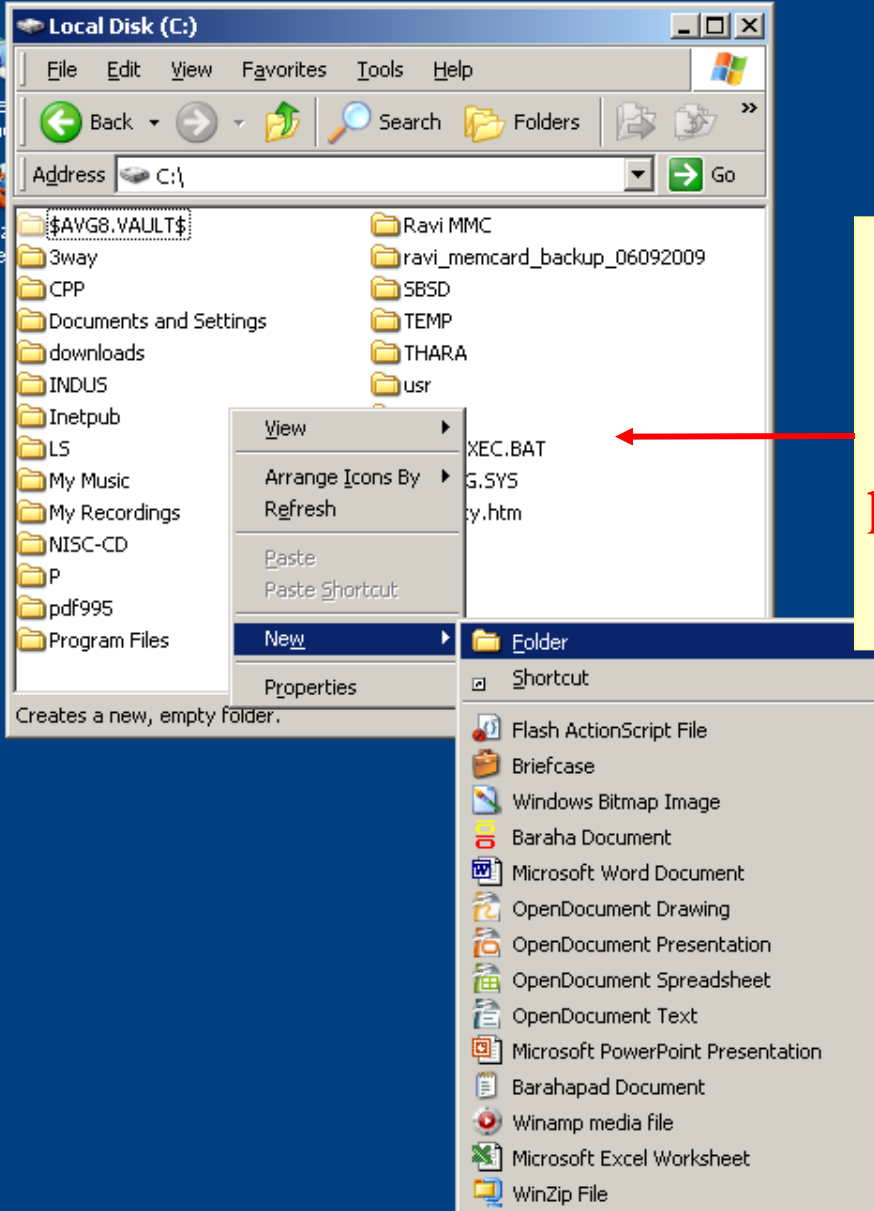
<?php
/*****
*
*           A T T E N T I O N !
*
*  ||  Please modify the following database connection variables to match  ||
*  \/  the MySQL database and user that you have created for OpenBiblio.  \/
*****/
*/
define("OBIB_HOST",      "localhost");
define("OBIB_DATABASE", "OpenBiblio");
define("OBIB_USERNAME", "openbiblio");
define("OBIB_PWD",       "openbiblio");
/*****
*  /\
*  ||
*****/
*/
?>

```

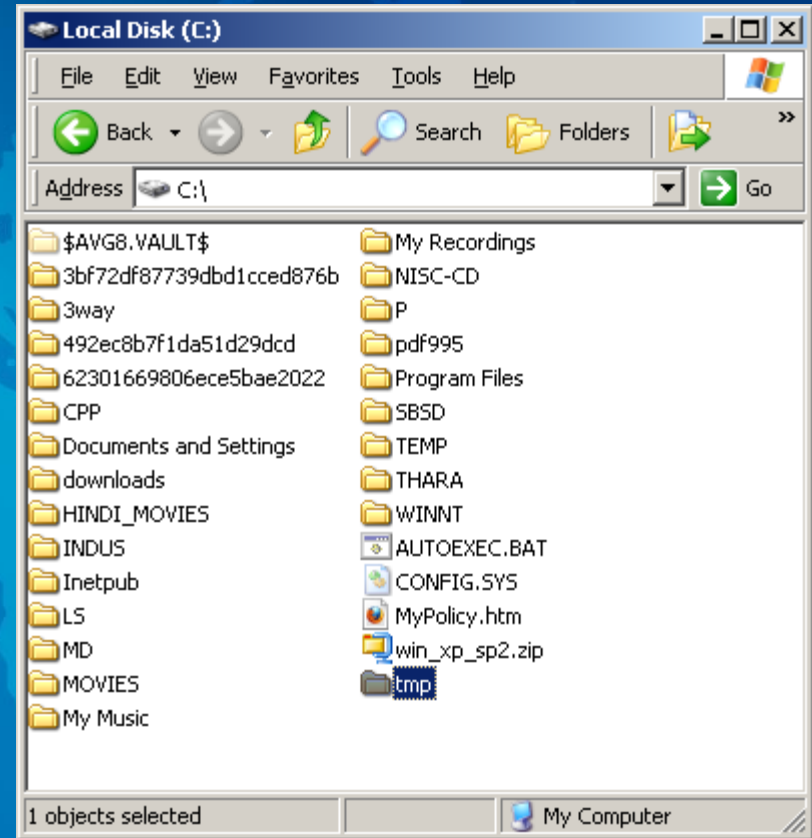
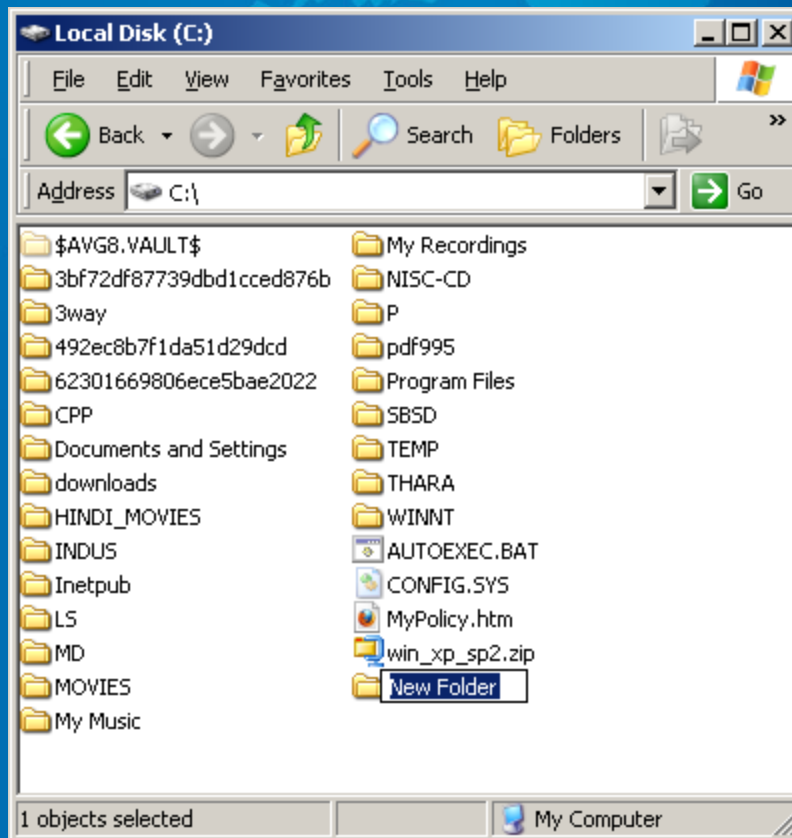


In this illustration,
 Database name,
 Username and
 Password all are
 openbiblio.
 After entering,
 Save the file and close

Create a new folder 'tmp' in C drive to hold PHP session data



tmp folder created

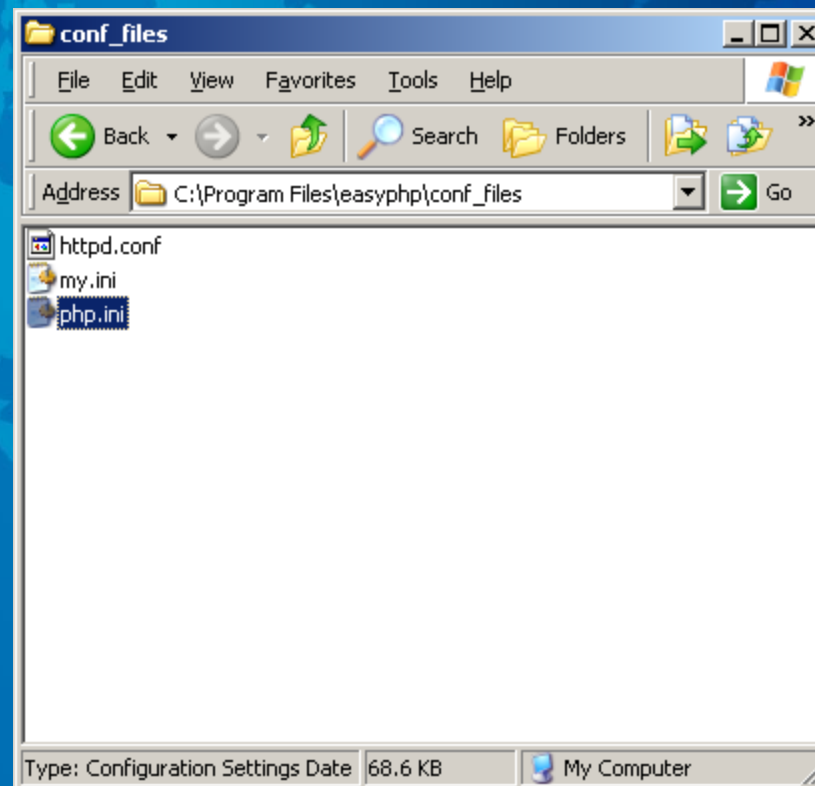


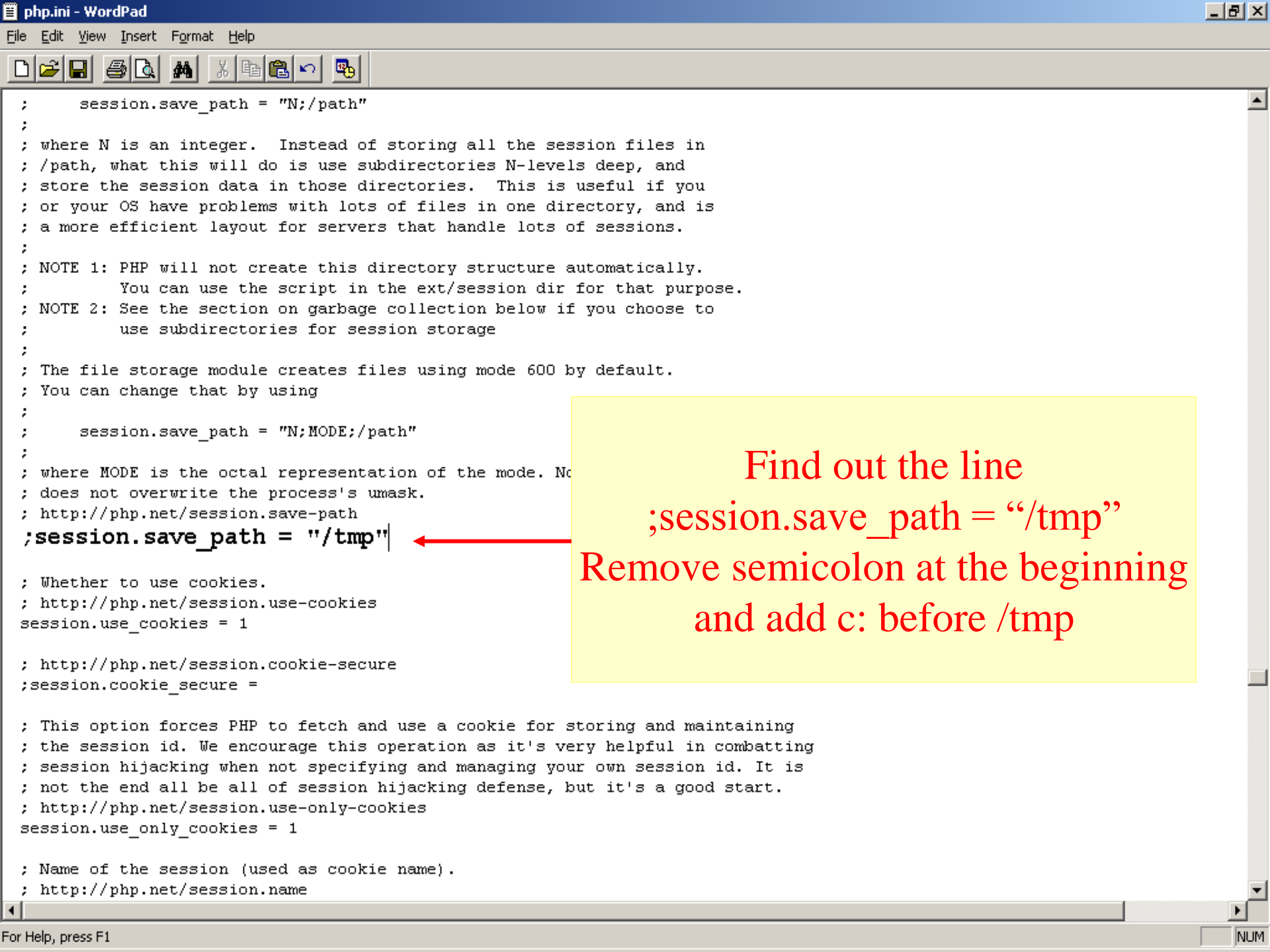
A faint, light blue world map is visible in the background of the slide, centered behind the text.

Step 6: Set tmp folder to hold php session data

Go to Conf_files folder & open php.ini file with wordpad or other text editor

- C:\Program Files\easyphp x.y.z\conf_files





Find out the line
;session.save_path = "/tmp"
Remove semicolon at the beginning
and add c: before /tmp



```
; session.save_path = "N;/path"
;
; where N is an integer.  Instead of storing all the session files in
; /path, what this will do is use subdirectories N-levels deep, and
; store the session data in those directories.  This is useful if you
; or your OS have problems with lots of files in one directory, and is
; a more efficient layout for servers that handle lots of sessions.
;
; NOTE 1: PHP will not create this directory structure automatically.
;         You can use the script in the ext/session dir for that purpose.
; NOTE 2: See the section on garbage collection below if you choose to
;         use subdirectories for session storage
;
; The file storage module creates files using mode 600 by default.
; You can change that by using
;
; session.save_path = "N;MODE;/path"
;
; where MODE is the octal representation of the mode. Note that
; does not overwrite the process's umask.
; http://php.net/session.save-path
session.save_path = "c:/tmp"
; Whether to use cookies.
; http://php.net/session.use-cookies
session.use_cookies = 1

; http://php.net/session.cookie-secure
;session.cookie_secure =

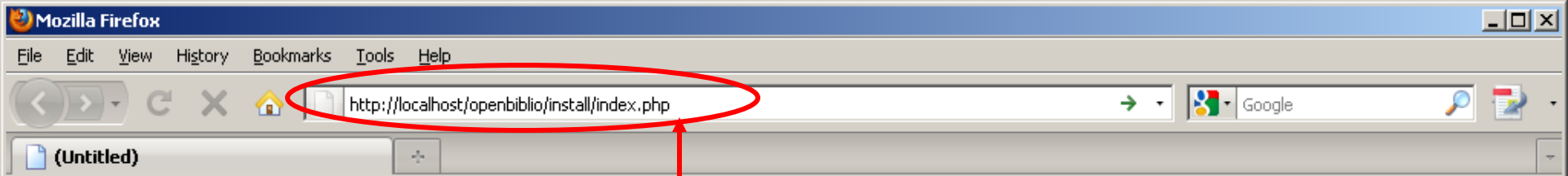
; This option forces PHP to fetch and use a cookie for storing and maintaining
; the session id. We encourage this operation as it's very helpful in combatting
; session hijacking when not specifying and managing your own session id. It is
; not the end all be all of session hijacking defense, but it's a good start.
; http://php.net/session.use-only-cookies
session.use_only_cookies = 1

; Name of the session (used as cookie name).
; http://php.net/session.name
```

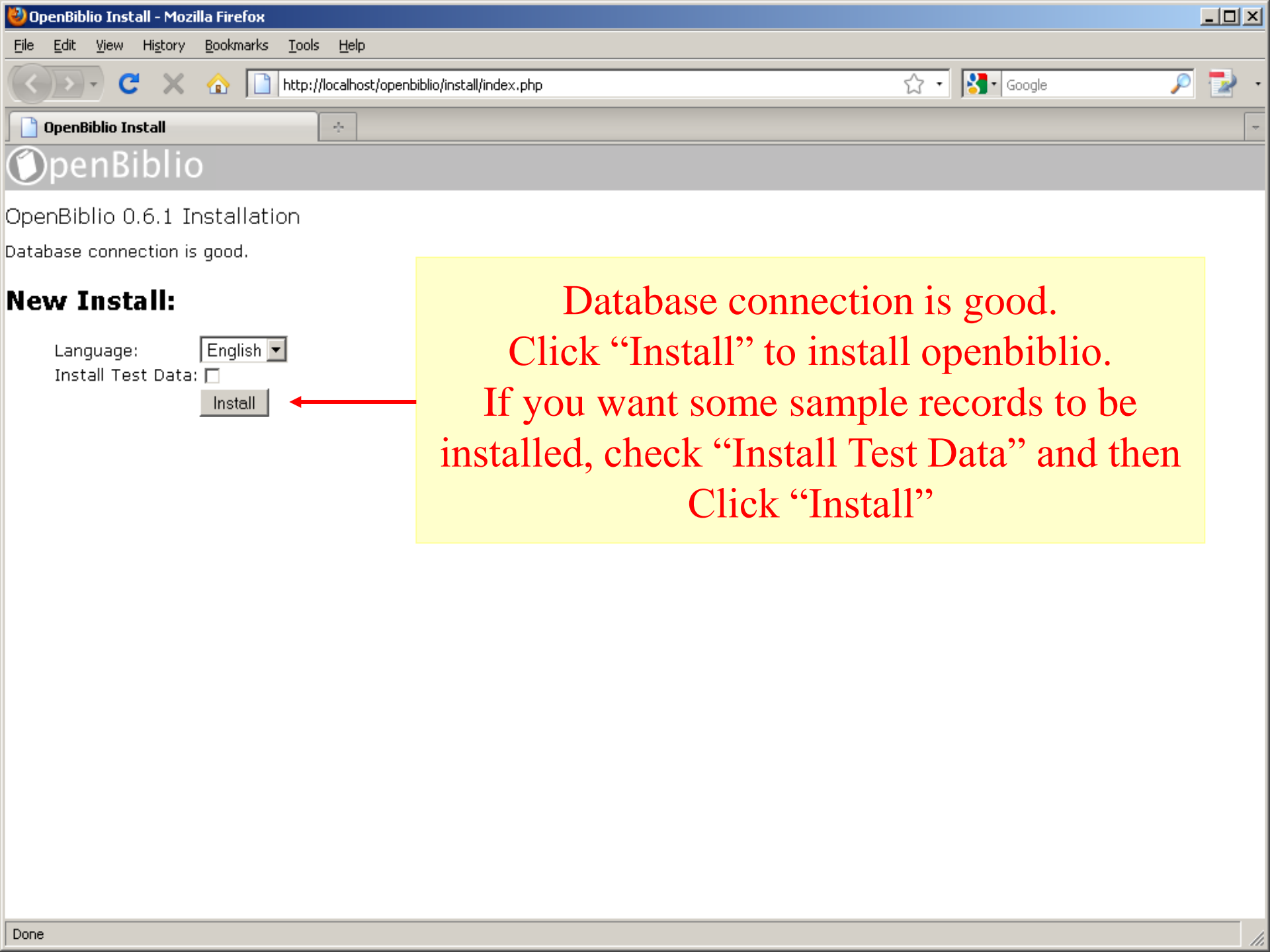
Save the file and Close



Step 6: Run Installation script



Open any web browser such as Internet Explorer or Mozilla Firefox and type `http://localhost/openbiblio/install/index.php`
Click "Go" or the arrow or press Enter



OpenBiblio

OpenBiblio 0.6.1 Installation

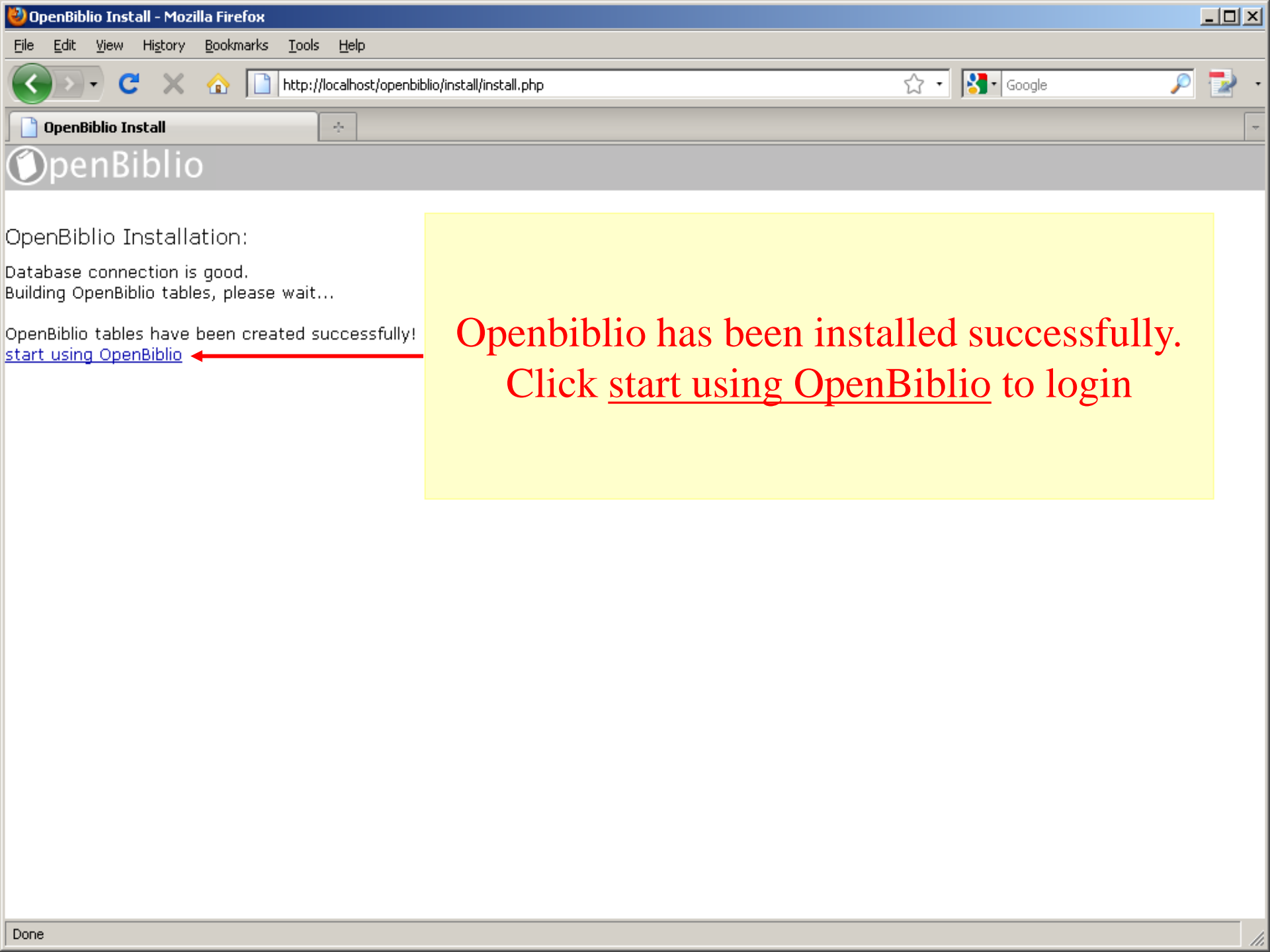
Database connection is good.

New Install:

Language:

Install Test Data:

Database connection is good.
Click "Install" to install openbiblio.
If you want some sample records to be installed, check "Install Test Data" and then Click "Install"

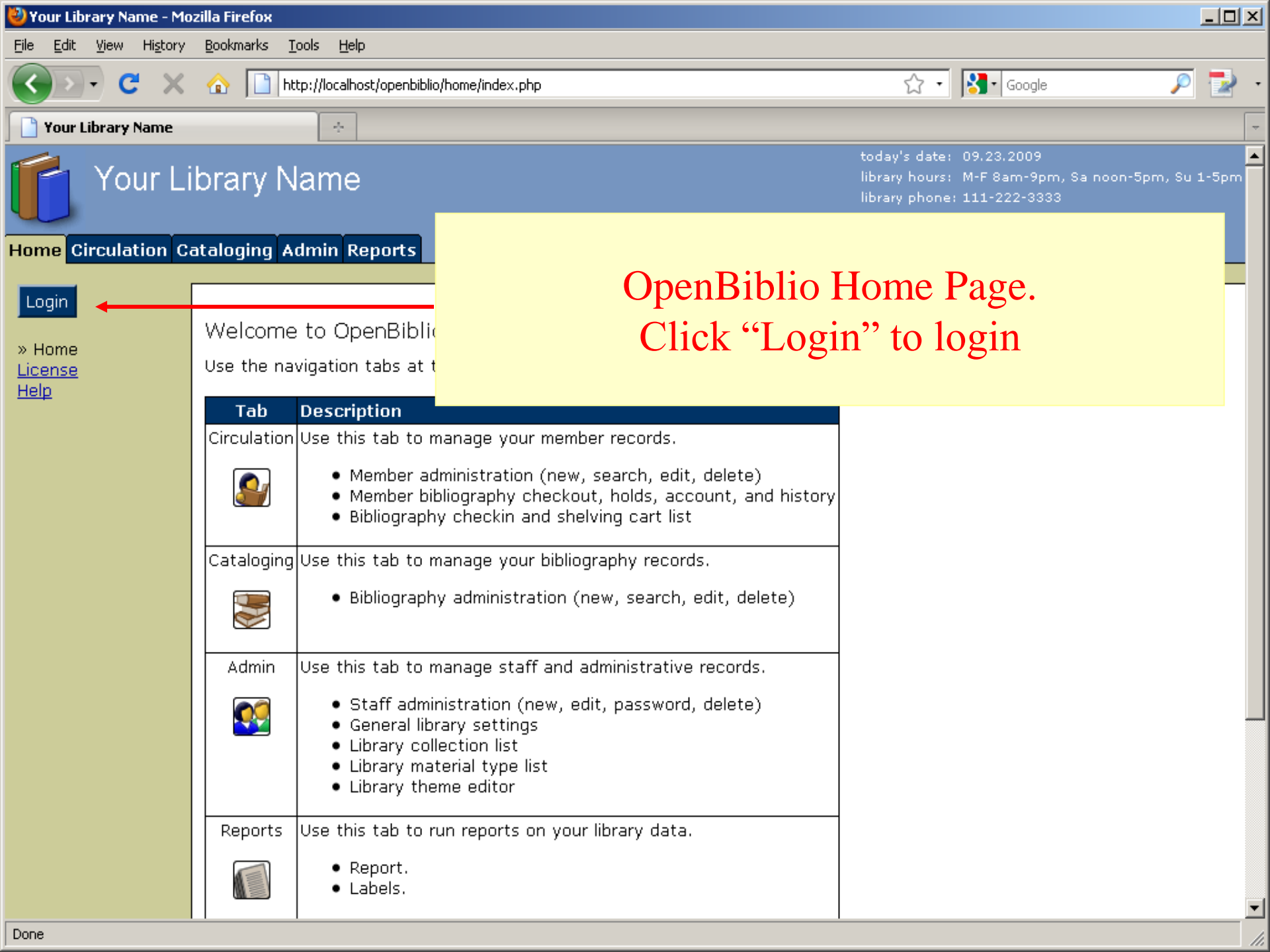


OpenBiblio Installation:

Database connection is good.
Building OpenBiblio tables, please wait...

OpenBiblio tables have been created successfully!
[start using OpenBiblio](#)

Openbiblio has been installed successfully.
Click start using OpenBiblio to login







today's date: 09.23.2009
library hours: M-F 8am-9pm, Sa noon-5pm, Su 1-5pm
library phone: 111-222-3333

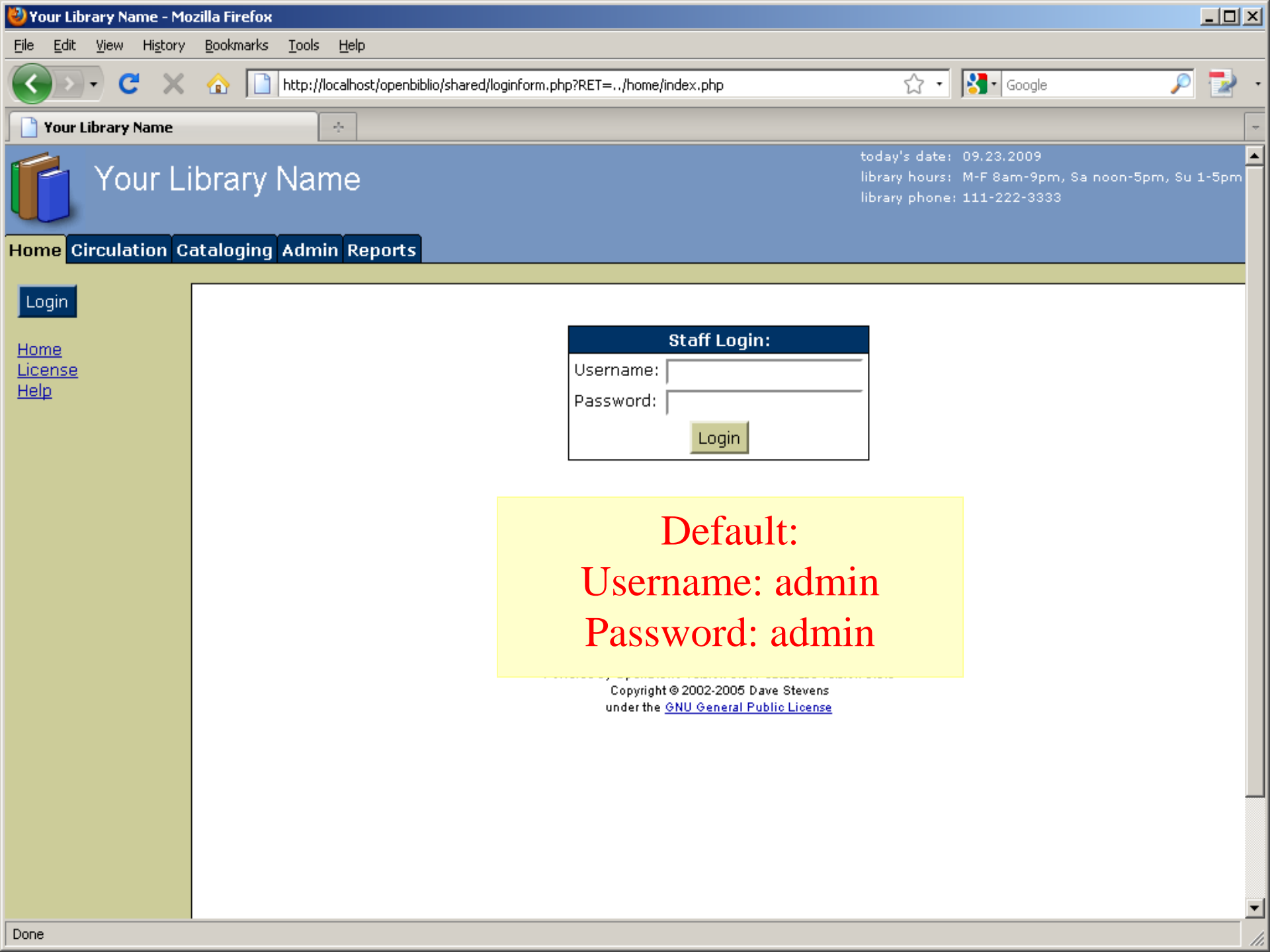
OpenBiblio Home Page.
Click "Login" to login

Login

» Home
[License](#)
[Help](#)

Welcome to OpenBiblio
Use the navigation tabs at t

Tab	Description
 Circulation	Use this tab to manage your member records. <ul style="list-style-type: none">• Member administration (new, search, edit, delete)• Member bibliography checkout, holds, account, and history• Bibliography checkin and shelving cart list
 Cataloging	Use this tab to manage your bibliography records. <ul style="list-style-type: none">• Bibliography administration (new, search, edit, delete)
 Admin	Use this tab to manage staff and administrative records. <ul style="list-style-type: none">• Staff administration (new, edit, password, delete)• General library settings• Library collection list• Library material type list• Library theme editor
 Reports	Use this tab to run reports on your library data. <ul style="list-style-type: none">• Report.• Labels.



Login

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[License](#)
[Help](#)

Staff Login:

Username:

Password:

Login

Default:
Username: admin
Password: admin

[Login](#)[Home](#)
[License](#)
[Help](#)**Staff Login:**Username: Password: [OPAC](#) | [Help](#)

Powered by OpenBiblio version 0.6.1 database version 0.6.0

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OpenBiblio Modules



OpenBiblio Modules and functions are self explanatory.

- Circulation
- Cataloging
- Admin
- Reports

A world map is visible in the background, rendered in a lighter shade of blue against the darker blue background. The map shows the outlines of continents and countries.

Thank You

Comments & Suggestions
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