



D28 Deployment guide

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Abstract

Deployment Guide is targeted at the administrators of the social platforms. It contains short description of the tools adapted in the project, recommendations towards further applications that can support learning of adults 50+. Section 2 and 3 are technical guidelines for the deployment of the tools.

History

Version	Date	Author	Comments
0.0	12.07.2013	Wojtczak K.	Initial deployment guidelines
1.0	20.08.2013	Wojtczak K.	Amendments upon the feedback
1.1	27.09.2013	Chrzęszcz A.	Tools description and recommendations
1.2	4.10.2013	Wojtczak K. Chrzęszcz A.,	Revision
1.3	7.10.2013	Ziółek G.	Review
1.4	8.10.2013	Wojtczak K. Chrzęszcz A.,	Revision. Final version.
1.5	16.12	Wojtczak K.	Revision after feedback received on 29.11.2013 from dr Ch. Voigt (ZSI)

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Part 1

Plugins description and further recommendations

What is PEER web2.0 tool package ?

The package consists of a complete installation package containing Wordpress platform with integrated and fully-functional plugins supporting peer to peer learning of adults 50+:

- SHAREDOCS: repository of files
- POLLY: a polling system
- MEET AND SHARE: webconferencing
- TALKMASTER: a chat function
- POSTS: for publishing updates online
- BUDDY PRESS: to administer the users and building social networking system

Why you may want to use it?

The platform has been developed with a closed collaboration with end-users (adults 50+ who are using social networking services). Its functionalities were tested and amended according to the needs of the senior users and to support their learning online. It is WCAG compliant. Each tool is shortly and simply described for the users, the icons and hints will help them engage more with the community.

What other tools we can recommend to you?

Open sources applications are constantly developing so what was under development when PEER had started now may be a ready for implementation product or, on the contrary, completely abandoned. The list of recommended open tools for your consideration may support your decision making towards transformation of your platform into social learning environment for the adults 50+.

- Etherpad: basic online editor for collaborative writing and editing together with a chatting function. Collaborative development of the documents (eg. trip plans, receipies, texts) can enhance motivation and engagement in the community and contribute to their learning. Application to be installed Access: <http://etherpad.org/>
- Mindmeister to integrate online mindmapping and brainstorming with openAPI Access. The users can create their learning sessions around a mindmapping activity which is beneficial for their engagement and learning. <http://www.mindmeister.com/>
- Padlet for collaborative visual and textual web publishing enables to create a collaborative projects (eg. around their interests) and use simple visual themes and fonts to create an online wall/ an online poster <http://padlet.com>
- Timeline JS: allows to create and publish a timeline (eg. in the blog post) using google spreadsheet template, adding texts (eg. Wikipedia definitions), videos and dates to the timeline. There is also a

plugin for Wordpress and iFrame can be used as well <http://timeline.verite.co/#embed> <http://wordpress.org/support/topic/plugin-verite-timeline-getting-wordpress-posts-into-timeline>

- Strut.io - Impress.js engine allows to install locally a free and open online presentations editor. It follows the pattern of Prezi presentation <http://bartaz.github.io/impress.js/#/bored>
- Moodle 2.0: although it is a large e-learning system its current version is even more social-networking driven. Improved layouts and users management as well as already integrated communication features. It can be adapted for individual needs, with a selection of administration options, themes and additional features (such as chat, forum, blog, badges, videomeeting). Access: <http://Moodle.org>

Plugins description and recommendations

Repository

Repository is based on Dropbox API. It was selected as an application that depends on the external server and as such it doesn't overload your local server with the files. However it may have some limits in the capacity and size of the files. In other case you may need to use your servers' space for storing the files. Whichever solution you chose it is vital to provide the users clear information about the storage limits and rules regarding the files types. The policy on uploading files need to be clearly described.

The idea is to create a community so that each file is shared with all the members of the community (logged in users). Depending on the local characteristics of the platform, it is advised to create a predefined folders with names relating to the specificity of the platform eg. group of interests. Folders cannot be created by the users. If you decide not to make folders remove „Home folder” from the section. Logged-in users can change the file names and remove the files they own from the list.

Poll

Create Poll: Logged-in users create the poll around a topic selected individually. They describe the event and provide basic information about the location. A selection of dates is possible for participants to vote. The poll is displayed as a list in <Participate in a poll> available for all logged in users. The poll can be deleted by the owner.

Videoconferencing

The tool is based on Apache Openmeetings. It is integrated to accept the users of the platform only. It was also simplified so that only one room or one meeting place is available, with an option for adjusting audio and video settings. You can modify the tool according to the needs of your community. You can enable videoconferencing only, and/or extend it with recording and whiteboard options if your community finds it interesting and useful.

Chat

Notification about chat must be integrated with the existing systems. The function supports further integration of users and their socialization.

Buddy Press

This plugin extends the basic functions of the Wordpress engine to social interactions among logged in users.

PART 2

System Requirements

1. Operating System: Linux/Unix recommended or MS Windows
2. Apache 2.0 or higher
3. PHP 5.4 or higher
4. MySQL 5.5.xx or higher
5. Enabled PHP mail sending
6. Enabled Apache mod-rewrite (important)
7. Enabled cURL (important)
8. Enabled JSON

Directories settings:

1. wp-dropbox/tokens chmod 0777, owner www-data
2. run5.sh (OM server) from OpenMeetings directory with executable rights (chmod +x)

Troubleshooting: check Apache error log (e.g. /var/log/apache/error.log) to find your problem.
You can also check, if mod-rewrite and cURL are enabled by phpinfo().

PART 3

Quick Installation of PEER

Server-side software:

Linux Debian (or your OS, where you can execute programs)

Apache 2 (or another WWW-server, where working mod-rewrite, mod-php5 and mod-mysqlq5)

PHP 5

MySQL 5

PHPMysqlAdmin (generally, something like LAMP/WAMP)

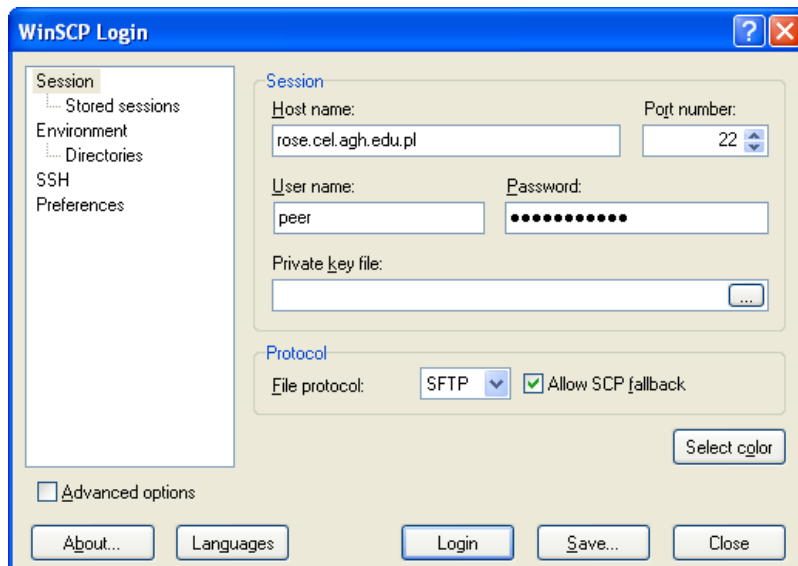
Client-side software:

WinRAR

Internet browser (e.g. Firefox)

FTP/SCP(SSh) Client (e.g. WinSCP, Putty)

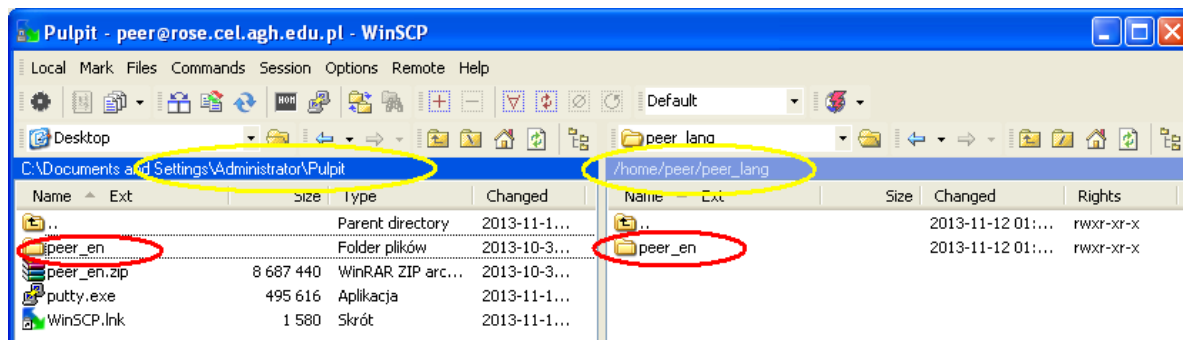
1. Unzip package
2. Open WinSCP and connect to your Server



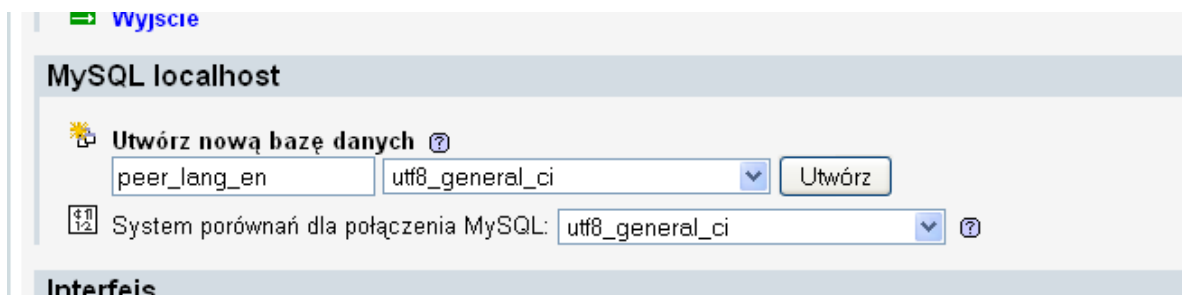
Host name: your server address

User name: your ssh login

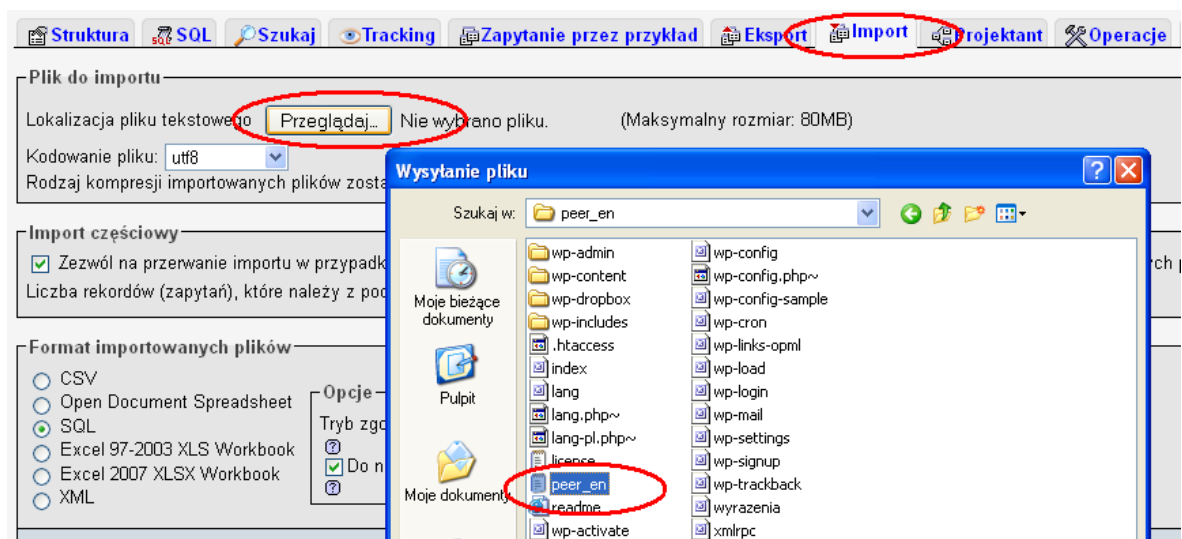
3. Copy unzipped directory from your localhost to Server. Directory on your server should be configured in Apache as www directory.



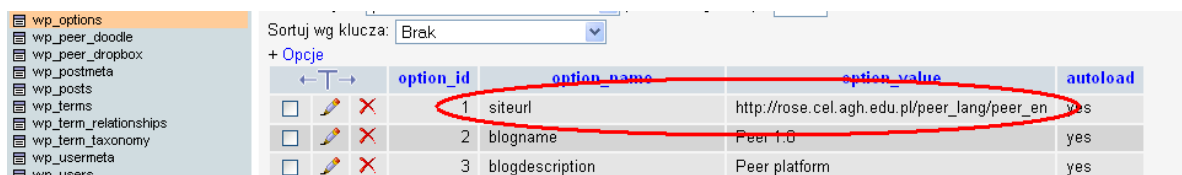
4. In PHPMyAdmin create a new database in UTF8_general_ci



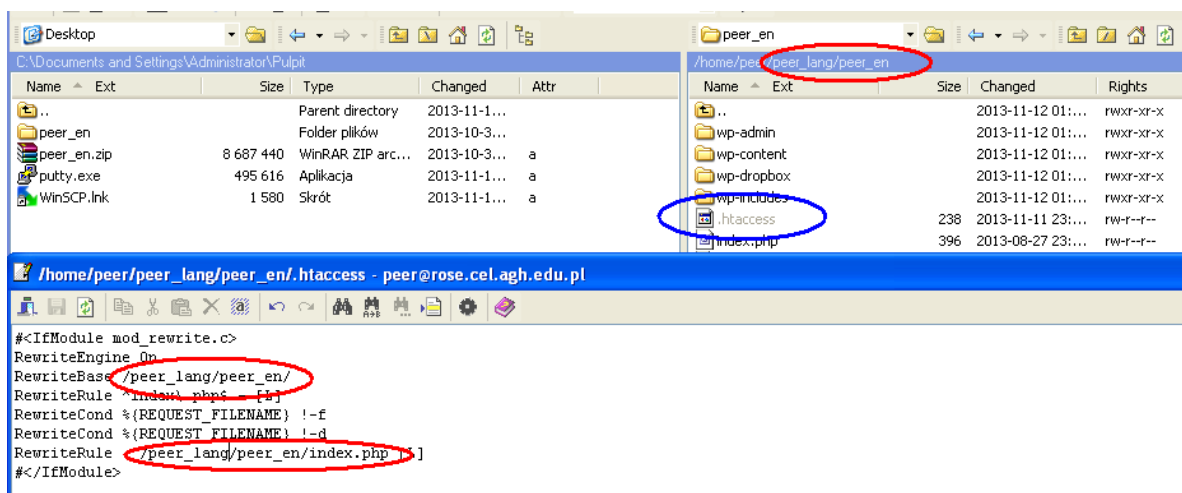
Import database from your peer language directory



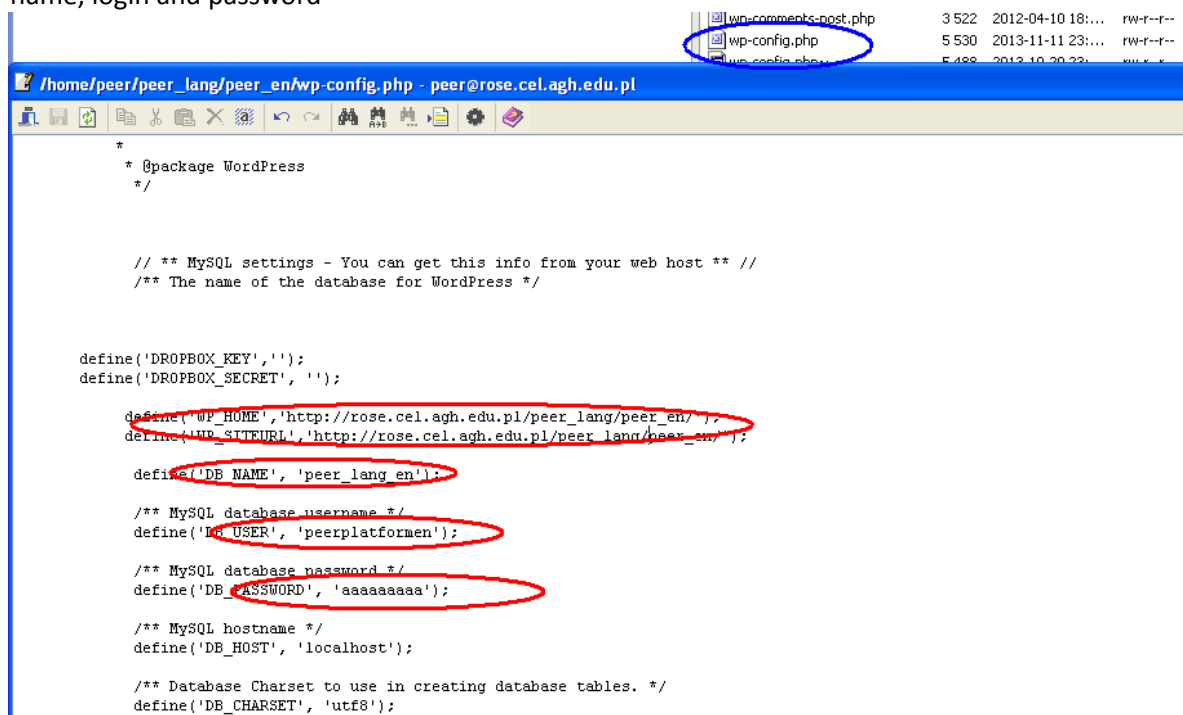
5. In wp-options table edit „siteurl” and set www-address of PEER



6. In the main wordpress directory edit .htaccess and set correct peer path



7. In the main wordpress directory edit wp-config.php and set: full PEER www-address, database name, login and password



```
*
* @package WordPress
*/

// ** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */

define('DROPBOX_KEY','');
define('DROPBOX_SECRET','');

define('WP_HOME','http://rose.cel.agh.edu.pl/peer_lang/peer_en/');
define('WP_SITEURL','http://rose.cel.agh.edu.pl/peer_lang/peer_en/');

define('DB_NAME','peer_lang_en');

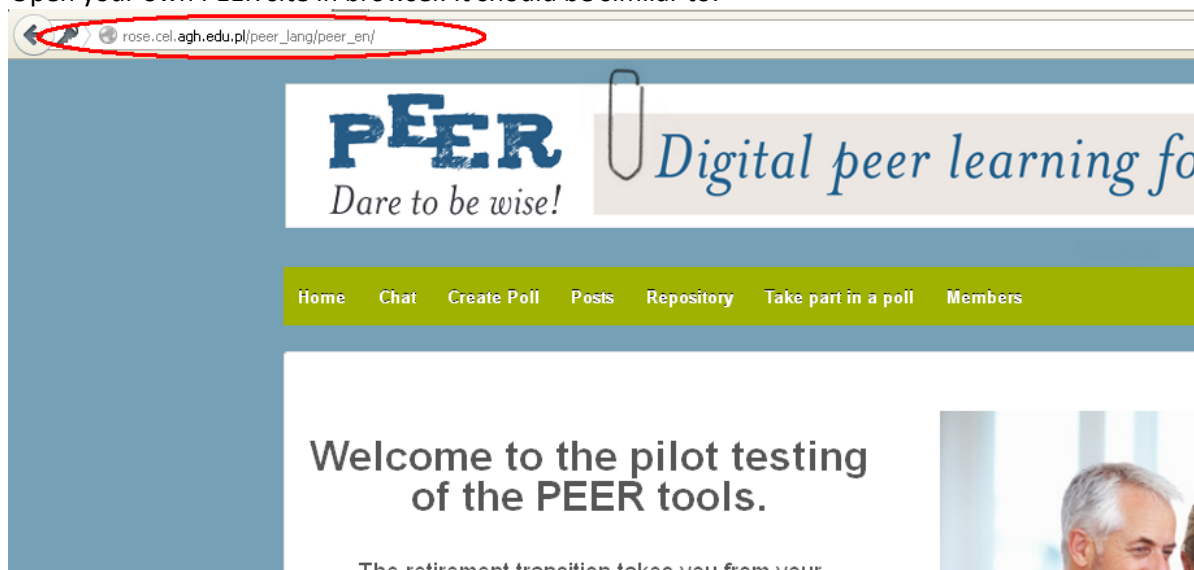
/** MySQL database username */
define('DB_USER','peerplatformen');

/** MySQL database password */
define('DB_PASSWORD','aaaaaaaa');

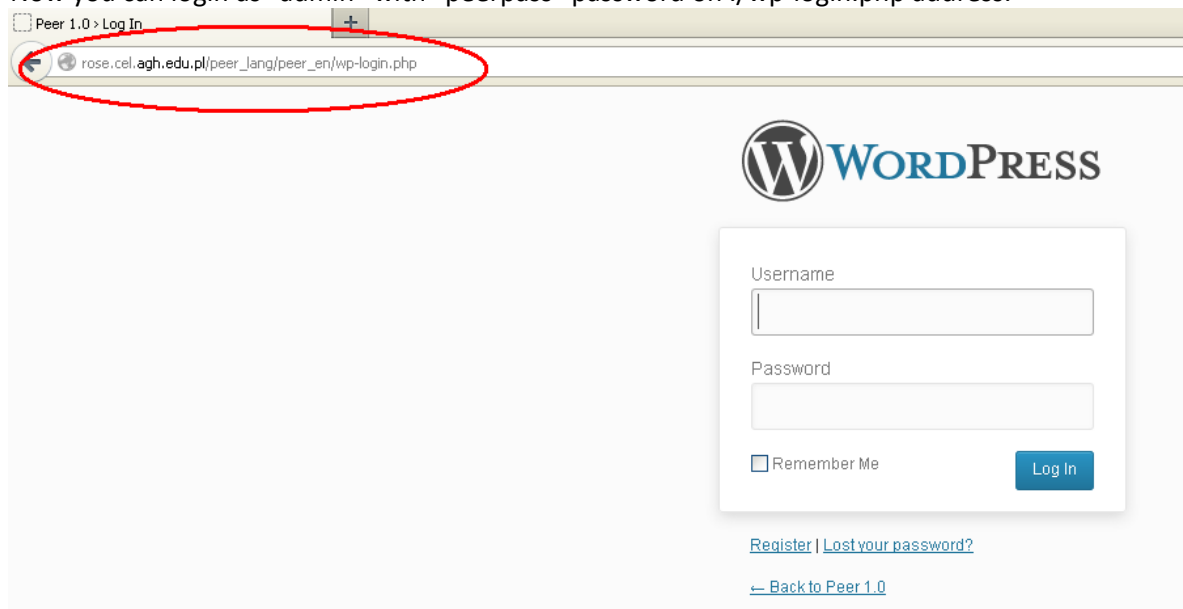
/** MySQL hostname */
define('DB_HOST','localhost');

/** Database Charset to use in creating database tables. */
define('DB_CHARSET','utf8');
```

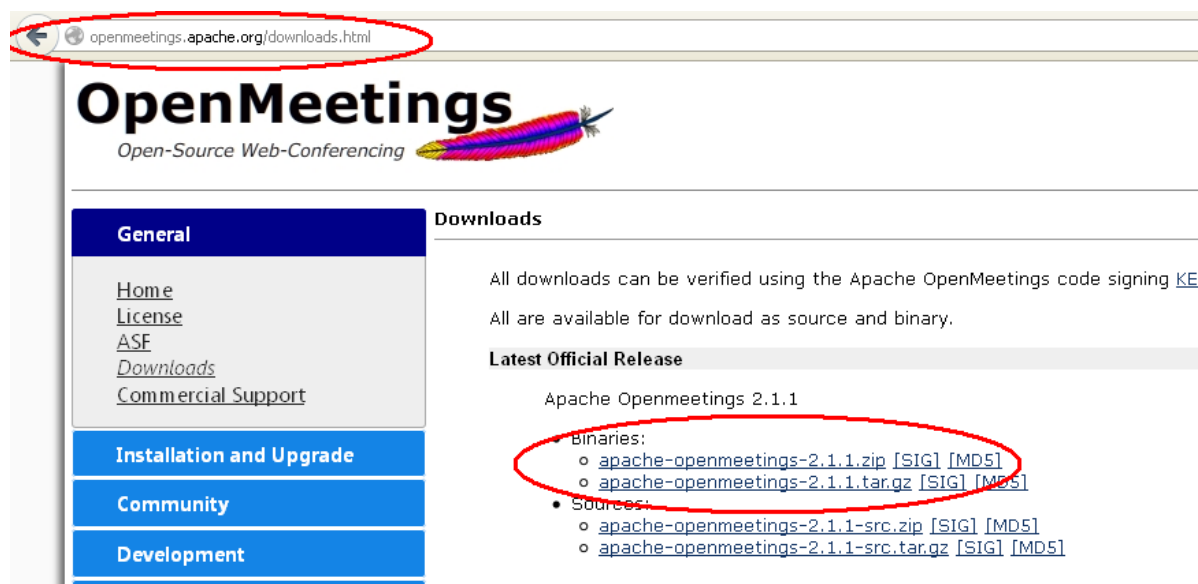
8. Open your own PEER site in browser. It should be similar to:



9. Now you can login as “admin” with “peerpass” password on ./wp-login.php address.



10. If you're logged in pages: Chat, Create Poll, Post, Take part in a poll and Members working well. You must configure now two plugins – Openmeetings (Video Meetings widget) and Dropbox (Repository page).
11. Open <http://openmeetings.apache.org/downloads.html> and download binaries pack. Upload this pack to your server (your directory)



Log in to your SSH, go to uploaded OpenMeetings directory, and type (as administrator) “sudo nohup ./red5.sh &”

```
peer@rose: /home/openmeetings
Using username "peer".
peer@rose.cel.agh.edu.pl's password:
Linux rose 2.6.32-5-amd64 #1 SMP Sun Sep 23 10:07:46 UTC 2012 x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Nov 12 02:11:52 2013 from 89-74-63-156.dynamic.shello.pl
peer@rose:~$ cd /home/openmeetings
peer@rose:/home/openmeetings$ sudo nohup ./red5.sh &
```

and wait.

- Open http://your_server_address:5080/install, and install OpenMeetings without SWT etc. Then register your admin account, and go to http://your_server_address:5080/openmeetings/.

13. Create a new public conference room:

Administracja

Szukaj

Pokoje konferencyjne

Nazwa: my PEER room

Uczelnicy: 25

Rodzaj: conference (1-25 users)

Komentarz:

Pokój spotkań: ☒

Organizacje

Publiczny: ☒

If you add an Organization to the room only users of that Organization have access to it (This is only valid if the isPublic flag is set to false!)

Organizacje:

ID	Organization	D
----	--------------	---

Limitations

Pokój demo: ☐

Czas demonstracji:

Rights

Użytkownicy w tym pokoju

ID	Login	D
----	-------	---

Moderation

Moderowany: ☒

If the Room is moderated, User with Level Moderator or Administrator are automatically Moderator if they enter the Room. If you don't want to specify that and only want a certain User to become Moderator use the Default Moderator option.

Default Moderators

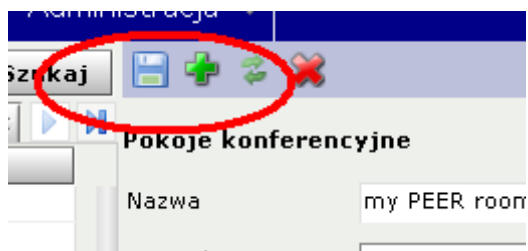
Super	ID	Name	E-Mail	D
-------	----	------	--------	---

with settings:

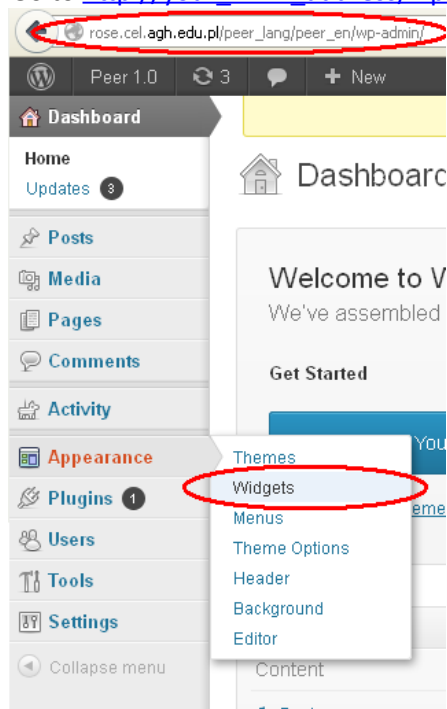
Layout options

Hide topbar	<input checked="" type="checkbox"/>
Hide chat	<input checked="" type="checkbox"/>
Hide activities	<input checked="" type="checkbox"/>
Hide files explorer	<input checked="" type="checkbox"/>
Hide actions menu	<input checked="" type="checkbox"/>
Hide screen sharing	<input checked="" type="checkbox"/>
Hide whiteboard	<input checked="" type="checkbox"/>
Show micro status in video	<input type="checkbox"/>
Is chat moderated	<input type="checkbox"/>
Chat panel opened by default	<input type="checkbox"/>
Files panel opened by default	<input type="checkbox"/>
Auto select interview video pod	<input type="checkbox"/>

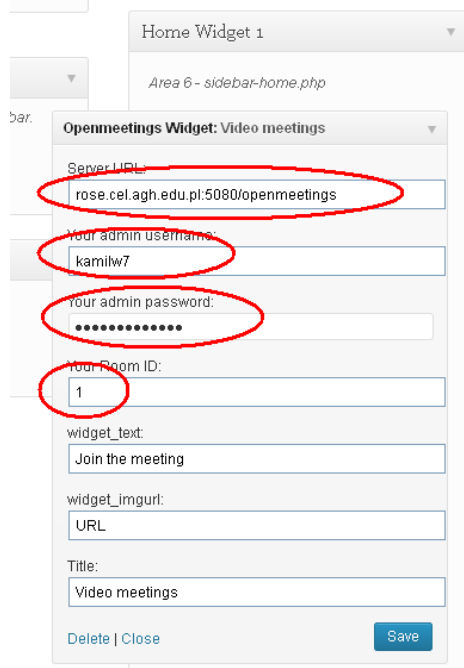
Don't forget to click save!



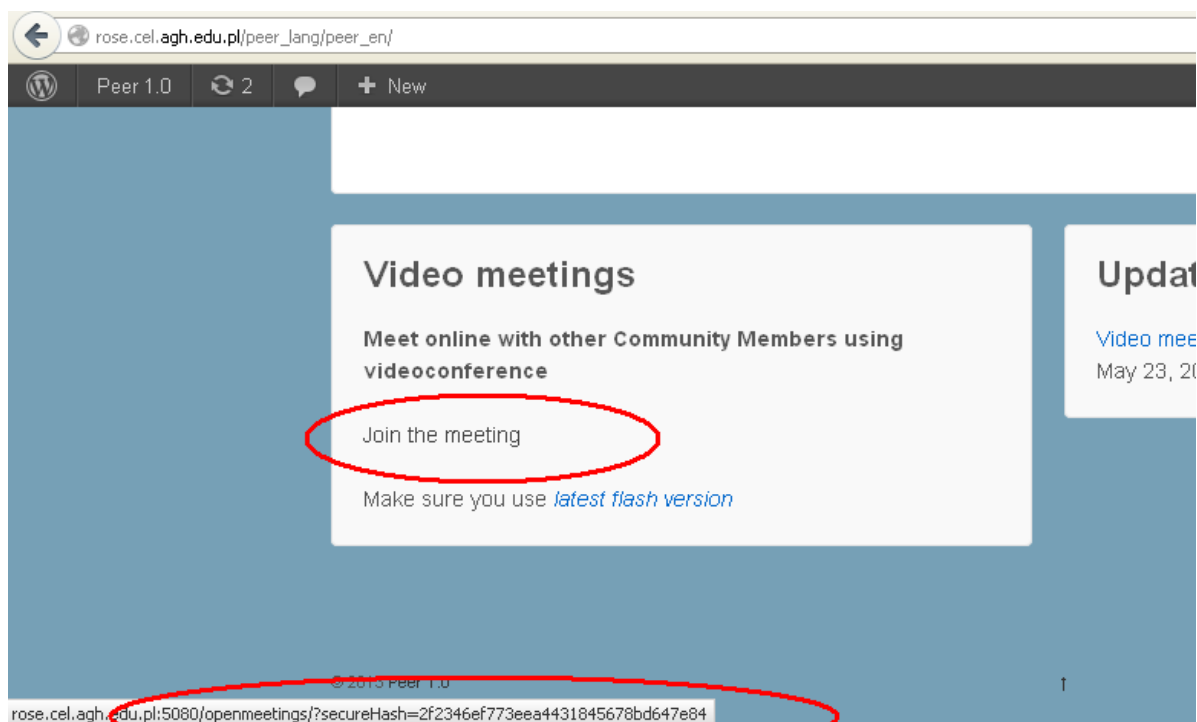
14. Go to http://your_PEER_address/wp-admin/ and choose „Widgets” in “Appearance” menu



15. Open Home Widget 1 -> OpenMeetings Widget and configure with your data:

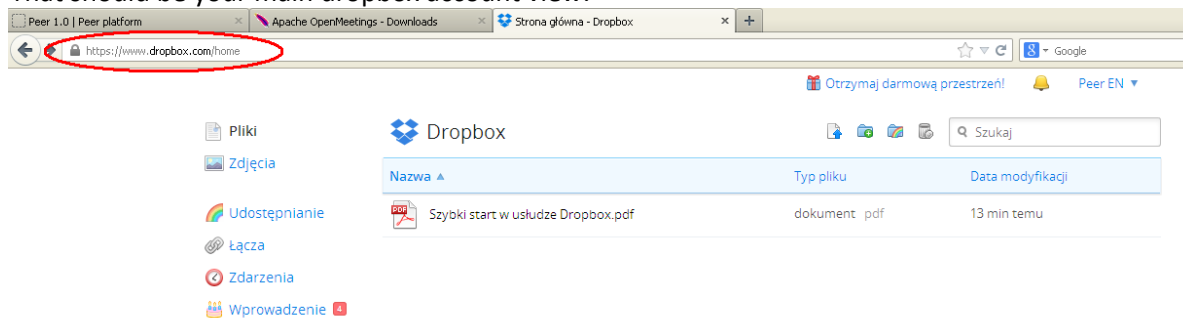


16. OpenMeetings plugin should be enabled:



17. Create a new account on dropbox.com. You can do all steps to bonus disc-space, but it isn't necessary.

That should be your main dropbox account view:



18. Go to <https://www.dropbox.com/developers/>, click on "App console", agree to the terms and submit.

19. Choose "Dropbox API app" and set:

Peer 1.0 | Peer platform Apache OpenMeetings - Downloads Strona główna - Dropbox Create app - Dropbox

https://www.dropbox.com/developers/apps/create

Peer EN

Create a new Dropbox Platform app

Developer home
App Console
Drop-ins
Datastore API
Sync API
Core API
Developer guide
Branding guide
Dev blog
Dev forum
API support

What type of app do you want to create?

Drop-ins app
Chooser or Saver

Dropbox API app
Sync API, Datastore API, or Core API

What type of data does your app need to store on Dropbox?

Files and datastores
Datastores only

Can your app be limited to its own, private folder?

Yes - My app only needs access to files it creates.
No - My app needs access to files already on Dropbox.

Provide an app name, and you're on your way.

Peer_EN

Create app

20. In the main wordpress directory open wp-config.php, copy

App key
App secret

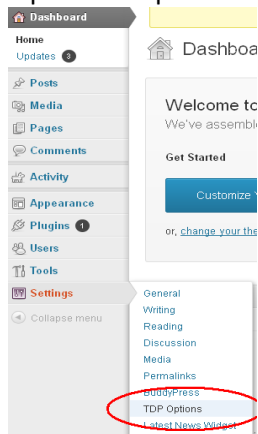
tov2dcw2b0hs2z5
hvnptg5w92jhco2

from dropbox, and paste it in wp-config.php as:

```
define('DROPBOX_KEY', 'tov2dcw2b0hs2z5');
define('DROPBOX_SECRET', 'hvnptg5w92jhco2');

define('WP_HOME', 'http://rose.cel.agh.edu.pl/peer_lang/peer_en/');
define('WP_SITEURL', 'http://rose.cel.agh.edu.pl/peer_lang/peer_en/');
```

Open TDP Options in wordpress dashboard:



21. Paste the key and secret key, click save, and then connect

The Dropbox Plugin

Settings saved.

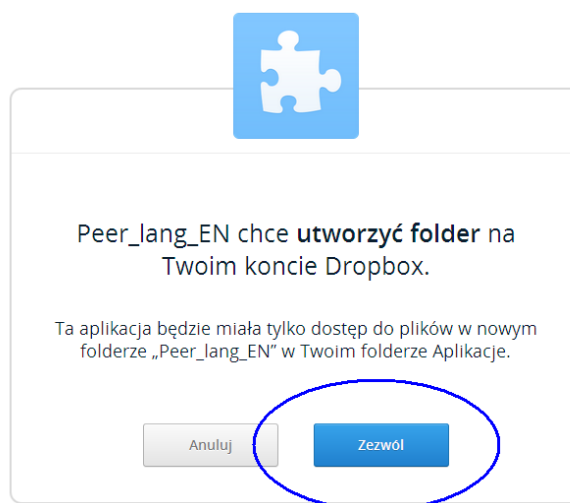
Consumer key

Consumer secret

☒ Do not include backlink(bottom of page)

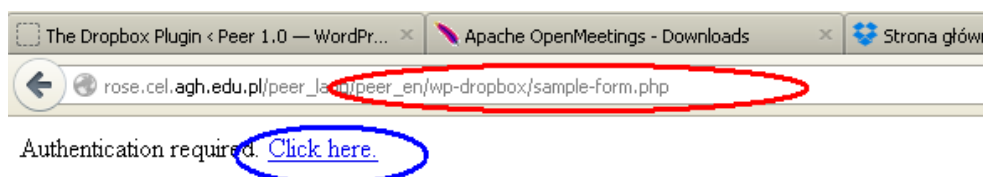
[Click here after you saved everything to connect to your Dropbox](#)

22. Next step:

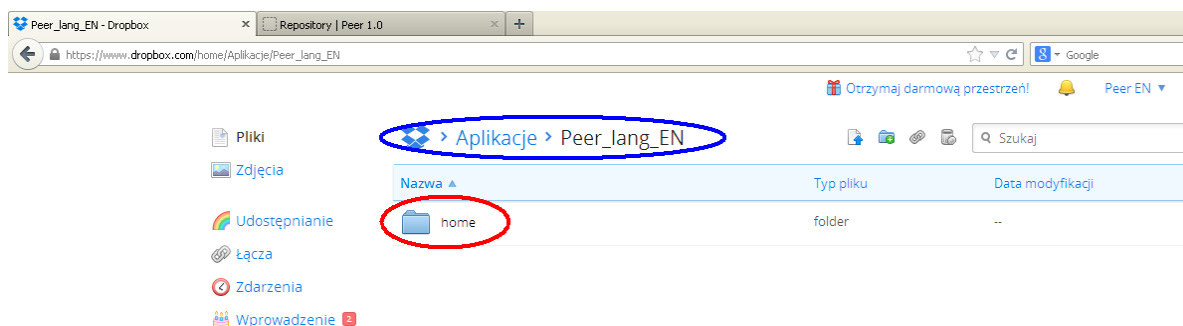


You should be returned to WP Dashboard.

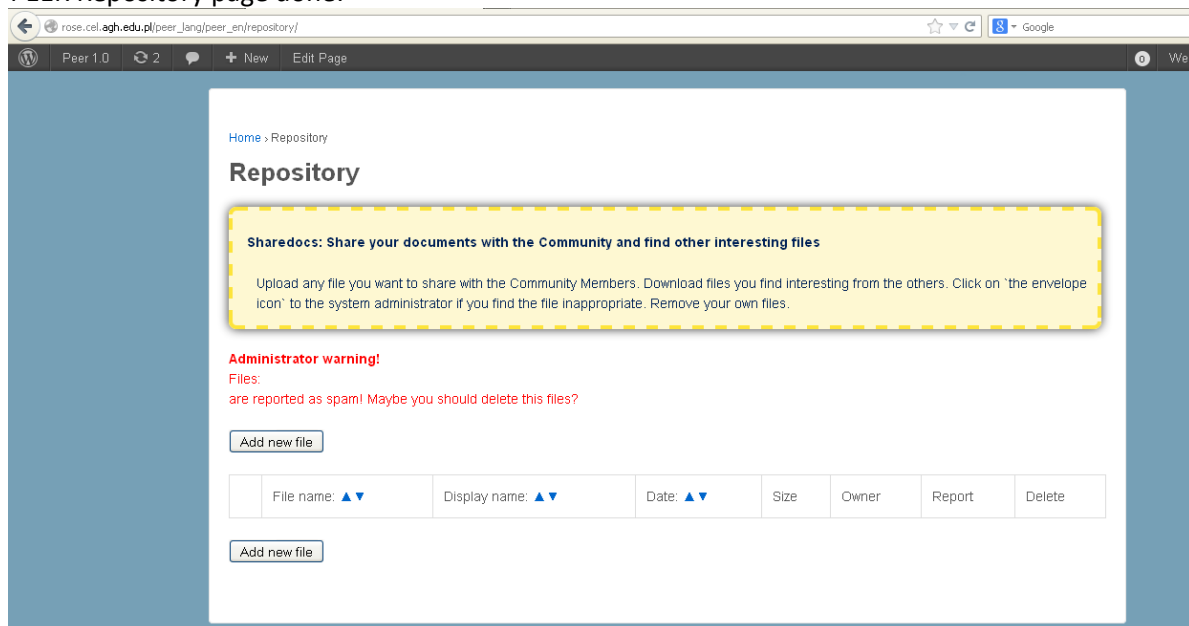
23. Set directory permissions for /your/peer/path/wp-dropbox/tokens as 0777 (chmod), and delete files in this folder
24. Open in browser <http://your-peer-address.com/wp-dropbox/sample-form.php> and click to authenticate:



25. After authentication you must create on Dropbox directory "home" in your app directory:



26. PEER Repository page done:



PART 4

Deployment guide

- Download and install Wordpress.
 - create, set database etc.
 - Site title: „Peer 1.0”
- Download and install Responsive Theme
 - remove „twentyeleven”
 - remove „twentytwelve”
 - activate „Responsive”: Dashboard->Appearance->Themes, and click „Activate”
- Customize Responsive Theme
 - in “wp-content/themes/responsive/style.css”, line 128, change background to #76a0b6
 - In file wp-content/themes/responsive/header.php, line 67, col 107, set param width=“960” (remove php code in this param)
 - Put “default-logo.png” from /files to /wp-content/themes/responsive/core/images
 - EN version only: Change “Howdy” to “Welcome”, add welcome.txt text to wp-content/themes/responsive/functions.php in theme folder
 - In Dashboard, Appearance->Theme options->Home page, change the content text from mainpage_en.txt
 - Put “featured-image.png” from /files to /wp-content/themes/responsive/core/images
 - Edit div in front-page.php to move the blue button
 - In style.css, line 1168 change background color to #9f2c02, or copy/paste code from 1752.css to style.css in line 1168
 - Put post-meta-page-without-author.php to responsive directory
 - Set post-meta-page-without-author as argument in function in line 35, in file full-width-page.php
 - In the same file, comment (//) function in line 49.
 - in style.css change font-size to 1.875em, line 1745, h1.
- OpenMeetings
 - download and unzip OpenMeetings binaries
 - change a server port when you run a few language versions
 - run nohup ./red5.sh &
 - run <http://URL:5080/openmeetings/Install> (5080 is default port number)
 - setup openmeetings without SWT, etc.
 - log in to openmeetings, remove all rooms, create only one room, ID 1, public conference room (not interview)
 - add to wordpress plugins “Openmeetings Integration Widget”, and configure in dashboard as Home Widget 1.

- **Dropbox**
 - create new account on Dropbox service.
 - log in
 - copy the “dropbox-plugin” directory from “files” to wordpress plugin directory and install plugin
 - go to <https://www.dropbox.com/developers/>, and then in “Apps console” create new App. - Choose “Core” and click “Full dropbox” radio button. Don’t forget app name, save.
 - Copy App key, go to your wordpress dashboard, settings-> TDP Options
 - Paste app key
 - Copy&paste secret key too.
 - Click save and connect.
 - Create new folder on dropbox.
 - Create new page in your wordpress (“Repository”)
 - !! Set the page template on “Full Width Page (no sidebar)” !!
 - Use in page text shortcode [dropbox home="/direcotry_name"]. directory_name is name of your directory created on dropbox.
- **Posts**
 - create new page in wordpress - “Post”, and set template as “Blog (full posts)”
- **Updates widget**
 - copy “latest-news-widget” from “files” to wordpress plugins and activate.
 - create new posts category in wp, e.g “Updates”
 - add a latest-news-widget to home widget 2, configure it (set “Updates” category)
 - now you can write new posts about updates in “Updates” category. These post will be in widget displaying.
- **Members, avatars, etc. - Buddypress**
 - install buddypress plugin
 - enable permalinks in wordpress
 - copy config text from the box in permalinks settings and paste to .htaccess in your wordpress directory
 - in file ./wp_content/plugins/buddypress/bp_activity/buddypress_activity_screens.php change value of variable “post_title” from “Sitewide activity” to “Chat”
- **Protection of content**
 - add “ if(is_user_logged_in()): “ before get_header(); in site template file (e.g. full_width_page.php)
 - add else from file protection.txt at the end of site template file