

Server configuration and SW requirements

Specification of SW requirements of Learnis®, Firmis® or Actuana applications when deploying to client's server.

Required

Operating system

Mostly all Linux distributions will succeed. Preferred are distributions suitable for running a webserver. Tested distributions: Debian (preferred - <http://www.debian.org>), Gentoo (preferred), Slackware (preferred), Ubuntu. Also deploy to Windows Server 2008 R2 is possible (tested).

Webserver

Apache 2 - <http://httpd.apache.org/>

Database

Postgresql 8.4 - <http://www.postgresql.org/>

PgAdmin - <http://www.pgadmin.org/>

PHP

PHP 5.3 - <http://www.php.net/>

Note: please see tested configuration of PHP in attached php.info file.

PHP setting:

Use default php.ini file. Just make sure that following rules are set properly:

Mod_rewrite

Setup .htaccess file support for (sub)domain and / or directory where application will be placed.

Additional Modules:

ionCube Loader - <http://www.ioncube.com/loaders.php>

Optional extensions

JOD convertor and related

Java Open Document convertor – used for importing PPT files into courses.

Openoffice - <http://www.openoffice.org>

Java - <http://java.com>

Openoffice needs to run as a service listening on port 8100. Example of start command:

```
soffice -headless -accept="socket,host=127.0.0.1,port=8100;urp;" -nofirststartwizard
```

Note: generally is a good idea to add start command of the Openoffice service into cripts executed after server stratup (for case of restarting the machine).

In addition for PHP must be allowed the exec() function.

Folder for temporary files must be edabled for writing by Openoffice service owner and apache. This path is required to running the converting functiuons and must be properly configured in config/config.php ('tmp_import_path')

Note: good idea is to ensure regular cleanup of tmp files within this temporary folder.

Access level to server

To enable aplication installing, maintenance and service supplier need to have some level of access to the server.

- 1) **Passive level of access:** at least FTP account and http access via for PgAdmin and application must be enabled
- 2) **Active level of access:** root login via ssh (in case of installing the environment) must be provided
- 3) **No level of access:** in this case only the installation package of the aplication will be provided

Procedure for deploying to Windows Server

Deploy to Windows Server 2008 R2 64bit (apache + php + pgsq1)

- nainstalovat apache httpd-2.2.17-win32-x86-openssl-0.9.8o: z cmd pomoci prikazu msixec /i httpd-2.2.17-win32-x86-openssl-0.9.8o.msi
- nainstalovat do slozky C:\apache2
- zkopirovat pripraveny httpd.conf a prepsat nove nainstalovany v C:\apache2\conf
- zkopirovat obsah php-5.2.17-Win32-VC6-x86 do C:\php
- zkopirovat pripraveny php.ini a prepsat puvodni v C:\php
- udelat zastupce php.ini a zkopirovat do C:\windows
- do system PATH pridat C:\php
- provest apache STOP a apache START (nestaci RESTART!!!)
- nainstalovat postgresql-8.4.7-2-windows (run as administrator): pro roota se musi na win 2008 nastavit slozite heslo, napr: Asdfasdf123-
- pri instalaci zaskrtnout vsechny tri "pg" database drivers a nainstalovat
- nainstalovat pgadmin z cmd prikazem msixec /i pgadmin3.exe