



In-Folio Deployment Quick Guide/Technical Notes

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Pre-requisites:

- Apache 2.2x
- PHP 5.2x
- MySQL 5.x

Other Major or Unusual Requirements

- Source Control : Subversion - required for the following method of deployment

- Image Handling: ImageMagick - <http://www.imagemagick.org>

- Video Transcoding: FFMPEG - <http://www.ffmpeg.org/>
 - dependencies vary based on platform and codec requirements
 - For testing purposes these are commands used to thumbnail & transcode:

```
ffmpeg -i [file] -an -qscale 3 -vframes 1 -s 120x90 -t 0.001 -ss 1 -f mjpeg -y output.gif
```

```
ffmpeg -i [file] -qscale 7 -s 400x300 -f flv -ar 22050 -acodec libmp3lame -y output.flv
```

- MP3 Encoding: LAME: <http://lame.sourceforge.net/>
- Text-To-Speech: Festival TTS [including text2wave application + default voice, rab is passable, but the nitech voices is better]
<http://www.cstr.ed.ac.uk/projects/festival/>

Notes on Apache/PHP configuration:

- Mod-Rewrite is required:
http://httpd.apache.org/docs/2.0/mod/mod_rewrite.html
- See **/system/conf.php** for server specific settings - default settings assume Linux - the changes required when running under Windows are annotated
- Disable PHP Magic Quotes!
- PHP upload needs to be enabled - ensure reasonably large values are set for ***upload_max_filesize*** and ***post_max_size***
- Some operations [video/image/TTS] are quite intensive - relatively high values should be set for PHP ***memory_limit*** [~32M] and ***max_execution_time*** [>200]
- Ensure there's Zip support (required for the export packager)
- eg <http://pecl.php.net/package/zip>

Quick Install Guide

MySQL Setup

Setup a database, **infolio**, and add a user

Import **clean_infolio.sql** - the final structure queries assume the mysql user doing the import is **root@localhost** and that '**infolio**' is the database name - tweaks may be needed

Checkout Latest In-Folio Version from SVN Repo and deploy e.g. to /public_html:

```
svn export svn://98.129.207.123/source/TechDis/trunk/site/ /tmp/site --username [svn-username] --password [svn-pass]
```

```
cp -ar /tmp/site/* public_html/
```

```
mv /tmp/site/.htaccess public_html/
```

```
chmod 0777 public_html/cache
```

```
chmod 0777 public_html/system/tmp
```

```
chmod 0777 public_html/staticversion
```

```
chmod -R 0777 public_html/data
```

Update paths/database settings etc in **/system/conf.php**

Setup A New Institution

You now have a clean install with a single institution named '**rix**' and a single super-user therein, named '**admin**' with password '**54321**'

Login via <http://localhost/rix/admin/login/> to create your new institution and super-user.

The **rix** user and any superfluous content imported under **/data** can be safely removed at this point.

Setup The Bulk Upload Directory

All assets are stored within the **/data/[institution]-assets/** directories - when a new institution is created the various directories are made and permissions should normally be set correctly....

The **upload manager** in the in-folio admin interface allows batch editing and tagging of files prior to their inclusion in the main repository - where they can be accessed via the **asset manager**.

Assets uploaded to the **/data/[institution]-assets/upload/** directory can be accessed only via the **upload manager**. Once tagged and/or renamed, uploaded assets are moved into the main

asset repository where they can be manipulated and assigned in the same way as assets uploaded via the student UI.

On the live system each institution has been provided with a chrooted ftp user account with the respective **/upload** directory as home - different methods such as nfs/samba/webdav may be preferable with other implementations. Other than the creation of the directories, no configuration is attempted by the application when new institutions are created - ie this portion of setup is manual and left to end-users to decide the best approach, mainly as methods will vary between architectures and operating systems.