# **Xerte Online Toolkits**



Installation Guide

Pat Lockley, December 2009

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# Introduction

Xerte Online Toolkits is a suite of tools for the creation of elearning materials. It is intended for installation on an organisation's web server, where the full functionality can be used.

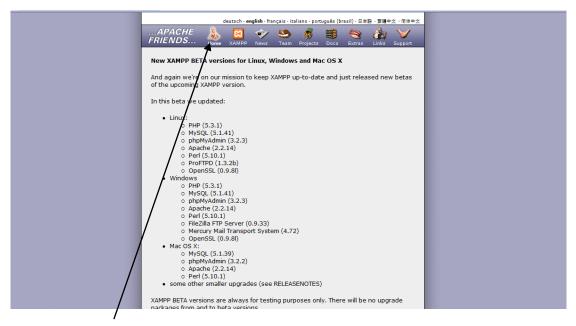
It is possible to install Xerte Online Toolkits on a standalone PC or laptop (on any operating system that supports PHP and MySQL), using third party software to provide the functionality normally provided by a web server (XAMPP). It is also possible to run Xerte Online Toolkits from a memory stick.

# Installing Xerte Online Toolkits with XAMPP on a Local Machine

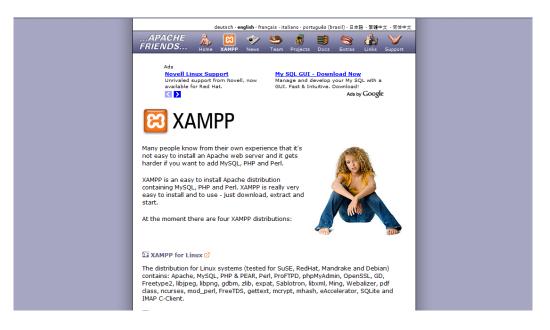
## **Using XAMPP**

This is the simplest way to get the software up and turning on a standalone machine. You will need to download and install XAMPP, download and install Xerte Online Toolkits, and then run the setup utility provided.

First, visit http://www.apachefriends.org



Click on the XAMPP icon on the top bar, and the XAMPP version will load. This guidance now assumes you are installing Windows XAMPP.

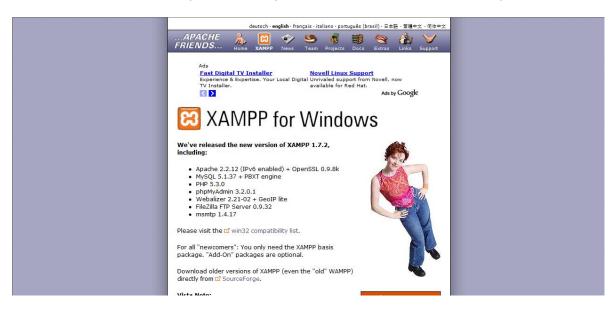


Scroll Down this page until you find the version you would like to download.

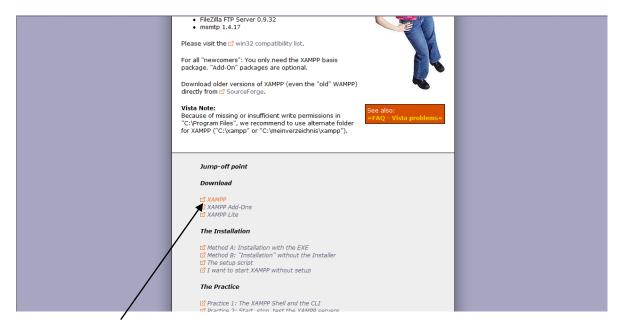


The windows version can be found here (XP/ VISTA and Windows 7), and then the XAMPP for Windows page will load

If you can't install a windows version, the process is approximately the same, the only direct difference is that the XAMPP option is PC only. Non-PC users should follow the full path.



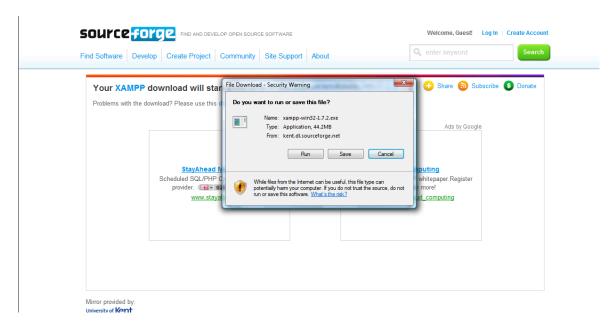
Scroll down the page.



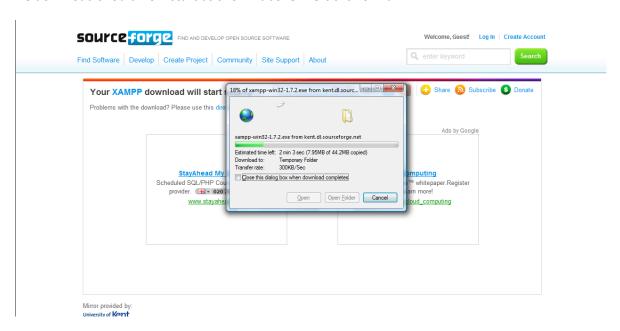
Select XAMPP here, the page will then jump down, and select self-extracting archive



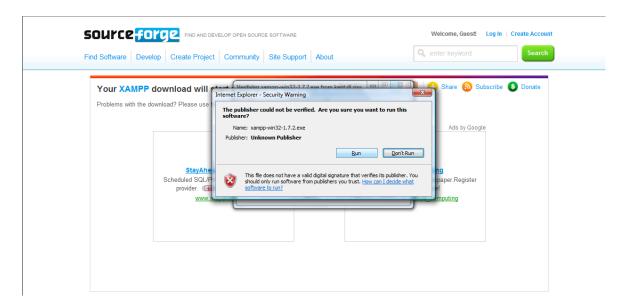
You will then be taken to the download page. Once you get here, the download should start automatically. If not, left click on "direct link".



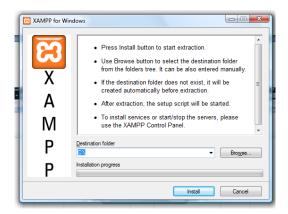
The download should now start as shown above. Left click on run.



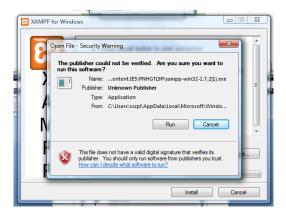
The download will now progress.



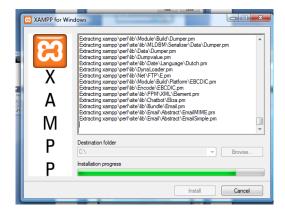
Once the download has finished, left click on run



Now XAMPP has started to download, choose "C:\" as the destination folder.



If you receive this message click on run. You may need administrator rights on this PC to install software. If you are unsure please contact your IT Support.



XAMPP will then install

Once XAMPP is finished it will try to configure itself according to your preferences.

At the prompt, "To add shortcuts" press y then return

At the prompt "Should I proceed" press y then return

At the "drive letters" prompt, press y then return

```
Should I make a portable XAMPP without drive letters?

NOTE: - You should use drive letters, if you want use services.

- With USB sticks you must not use drive letters.

Your choice? (y/n): y

relocating XAMPP...

relocate MAMPP base package
relocate Mpache
relocate Mpache
relocate Mpache
relocate Mpache
relocate MySQL

relocate PMySQL

relocate PMySQL

relocate PMySQL

relocate Sendmail
relocate Sendmail
relocate Sendmail
relocate Sendmail
relocate Sendmail
relocate WAMPP benopage
relocate XAMPP benopage
relocate XAMPP successful.

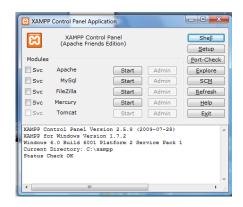
XAMPP is ready to use.

Press (Return) to continue:
```

On this screen, press return

Then wait for the question about locations, then press return again

Then press 1, then press return, which will start the XAMPP Control Panel, which will appear as so



Then click on the start button next to apache

Then click on the start button next to mysql



You may get messages like this, click on unblock.

Finally, click back in the black window, and press x then return

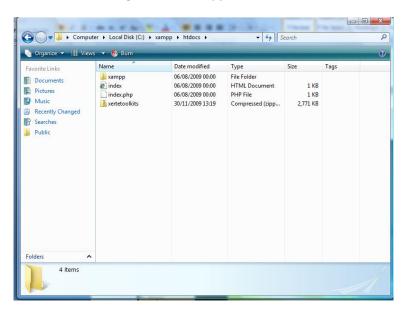
Then go to the Xerte website (<a href="http://www.nottingham.ac.uk/xerte">http://www.nottingham.ac.uk/xerte</a>) and select Xerte On-line Toolkits from the left hand side. This will then offer you the chance to download the zip.



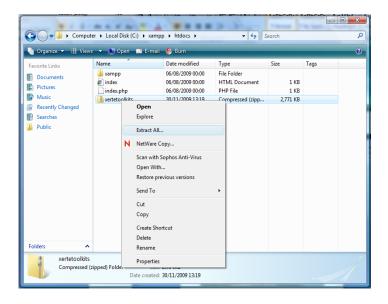
Accept the download by clicking on "save", then opt to save it to "c:\xampp\htdocs\xertetoolkits\"



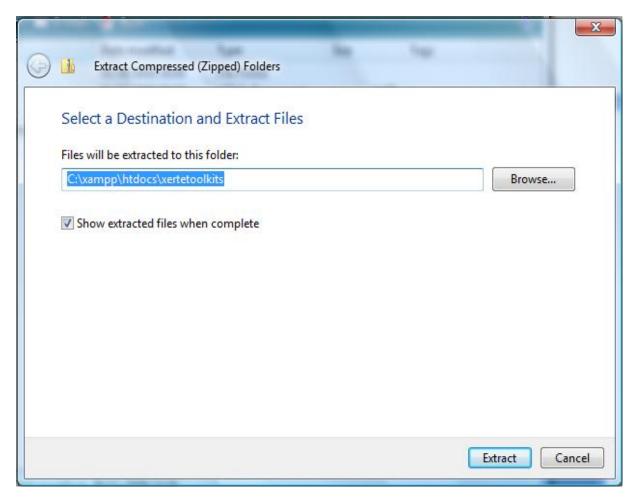
Once the download has finished, navigate to c:\xampp\htdocs\xertetoolkits\



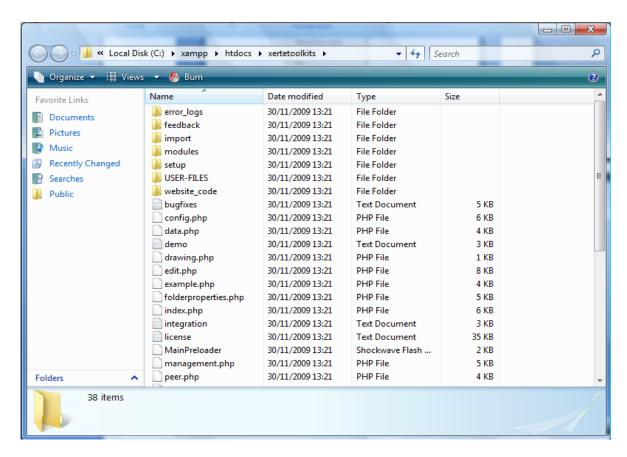
Right click on the zip file, and select "Extract all"



When prompted, make sure the value shown below is "c:\xampp\htdocs\xertetoolkits"

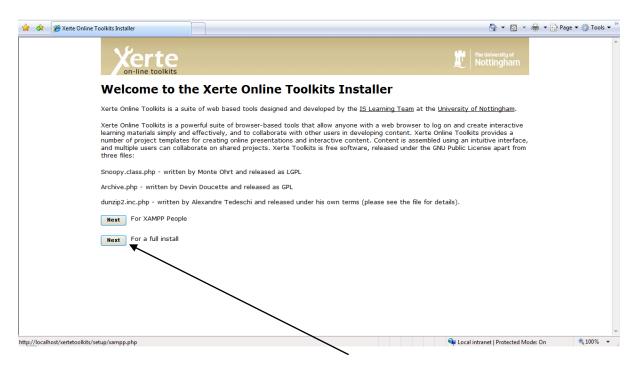


The extraction will then run, and when it is finished you should see a screen like below.



Then start a web browser, and then visit this address

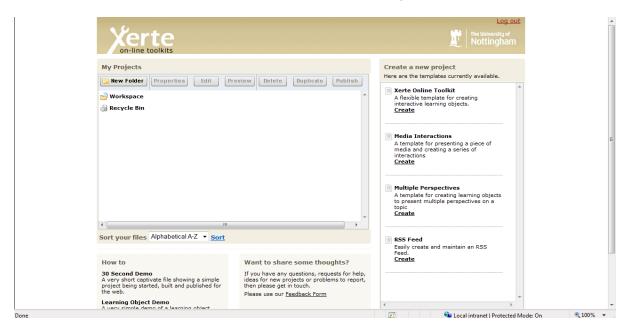
#### http://localhost/xertetoolkits/setup/



You should see this screen, and you should click on XAMPP



You should then receive this screen, so click on the first link, and you should see the screen below.



## A local install with an existing version of XAMPP

If you installed XAMPP into C:\xampp\htdocs, and have not altered your MYSQL root password then you can proceed as above, as effectively your install is the same.

If you have altered these settings, then you have to proceed as if this was a full install and take the non-xampp route.

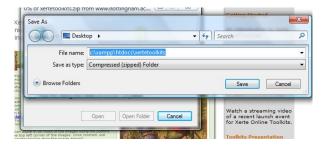
# As a local install, but on a Linux or Mac Operating System

If you don't have access to a windows PC to install your software on, then you have to proceed as if this was a full install and take the non-xampp route. The final page has a lot of variables, but people using it locally on a standalone unit, please do the following.

Start by downloading the zip. Go to the Xerte website (<a href="http://www.nottingham.ac.uk/xerte">http://www.nottingham.ac.uk/xerte</a>) and select Xerte On-line Toolkits from the left hand side. This will then offer you the chance to download the zip.



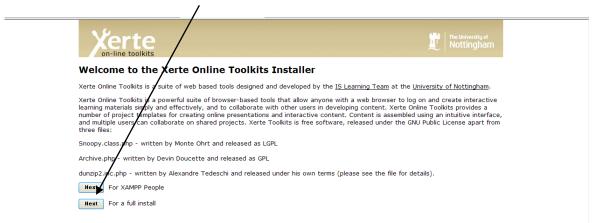
Accept the download by clicking on "save".



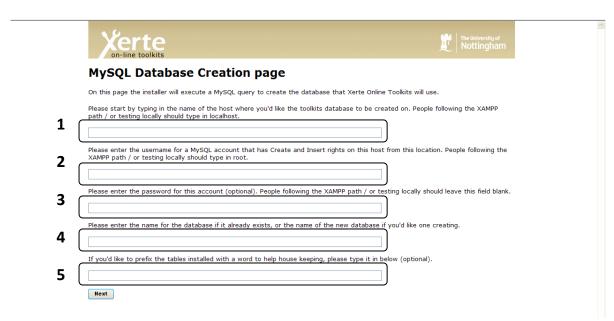
Once the download has finished, extract the zip file's contents to a temporary folder. Then make a new folder on your webserver and then take the files / folders and place them in that folder on the file system that acts as your webserver. For XAMPP Installs, this is usually "htdocs".

Once you have down this, open a new web browser and navigate to <a href="http://(your">http://(your</a> web host)/the folder you created earlier/setup. Your webhost should be <a href="http://localhost/">http://localhost/</a>

You should see this screen, click on full



#### You will then see this screen



In Box 1 – Type in localhost

In Box 2 – Type in root

In Box 3 – Leave this empty

In Box 4 – Type in Toolkits

#### In Box 5 – Leave this empty

When you have entered these values click "Next". Clicking next will attempt to create the database, if this fails it will give you error messages on the next page.

On this page, you will enter an account which the site will use to connect to the database. Xampp people can use root as the account name, and leave the password blank.

MySQL Database Account Set up page  Your Xerte Online Toolkits database has been successfully created. When users are creating work on the site, the PHP will need a MySQL username with select, insert, update and delete privleges.  Database account name for users of the site. People following the XAMPP path / or testing locally should type in root.  Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank.		Xerte on-line toolkits	The University of Nottingham
MySQL username with select,insert,update and delete privileges.  Database account name for users of the site. People following the XAMPP path / or testing locally should type in root.  1  Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank.		MySQL Database Account Set up page	
Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank.			ork on the site, the PHP will need a
	1	Database account name for users of the site. People following the XAMPP path / or testing local	ally should type in root.
	2	Database password for the account above. People following the XAMPP path / or testing locally	r should leave this field blank.

In Box 1 – Put the name of the MySQL account you wish to use

**In Box 2** – Put the password for this account

When happy with these values, please click next. This will take you to page 3 of the installer.

Ignore all the values on this page, and scroll down and click submit query. All being well, your site will now install.

People who have not followed the XAMPP path will now need to do the following.

- 1) Go to the root folder of your site
- 2) Rename index.php to be index.old
- 3) Rename demo.php to be index.php

Then you can go to <a href="http://localhost/toolkits">http://localhost/toolkits</a> and use your site. Mac or Linux users may find that localhost is suffixed with a port number and so the link presented there will not work.

#### What will and won't work on local installs

#### **Properties tab**

Access – Password protected will not work, Public will not provide any great benefit as the link will only work on your computer.

Shared Settings – This will not work as a local install only has one user.

RSS – Will work, but the links are not distributable as the link will only work on your computer.

Open Content – Will work, but the links are not distributable as the link will only work on your computer.

Peer Review – Will work as a link, but the email function will not, and the link should not be distrubted as the link will only work on your computer.

XML – Will work, but the links are not distributable as the link will only work on your computer.

## Folder properties tab

RSS feed for this folder - Will work, but the links are not distributable as the link will only work on your computer.

#### **Workspace Properties tab**

My details - These will not reflect who you are

My Feeds – Will work, but the links are not distributable as as the link will only work on your computer.

#### Management.php

As the default XAMPP Install does not set a password, this will not work. If you are confident using phymyadmin (usually <a href="http://localhost/phpmyadmin/">http://localhost/phpmyadmin/</a>) then you could use this to add a password and username to the admin\_password and admin\_username values. Once set these can be used to log into management.php

# **Installing Xerte Online Toolkits on a Web Server**

#### Pre-installation server checks

Please note the following technical requirements for the site. These are the basic minimum requirements. The site and / or installer will not work if these are not available.

- 1. A PHP Server running version 4 or above (Xerte Online Toolkits was developed on php 4.3.9 and on php 5.2.5.).
- 2. A MYSQL Install (Xerte Online Toolkits was developed on ver 14.12 Distrib 5.05.51a for Win32. We haven't tested this with other versions, or on other database systems), there is currently no database abstraction layer, you will need MYSQL.
- 3. All of the above can come from a single WAMP or LAMP installation, such as those available as part of XAMPP Project
- 4. Although not critical, Xerte Online Toolkits uses PHP mail functions for parts of its code. You can remove these manually from the code should you so wish.
- 5. Xerte Online Toolkits has been build around LDAP authentication you can however not use this is you prefer. If you do not use LDAP authentication, then you should aim to use another service to authenticate, the code has one small scale authentication option, but this is definitely not enterprise level.

Do not proceed with the installer unless you have these as the installer will fail, or the system will not work for you at all.

#### **Folder Permissions**

The are some settings which must be in place before starting the installer. You should set the file permissions on the following folders as the page specifies.

- 1. The root folder for this install must be set to chmod 0777 / Full write access.
- 2. The setup folder for this install must be set to chmod 0777 / Full write access.
- 3. The user files folder for this install must be set to chmod 0777 / Full write access.
- 4. The error log folder for this install must be set to chmod 0777 / Full write access.
- 5. The import folder for this install must be set to chmod 0777 / Full write access.

Once the installer has finished, you can set the folder permissions to your own preferences - except for USER-FILES, error\_logs and import, to which the web server will still need write / read and delete access.

#### **Installing on IIS**

This guide to installing toolkits on ISS was contributed by Peter Hartley.

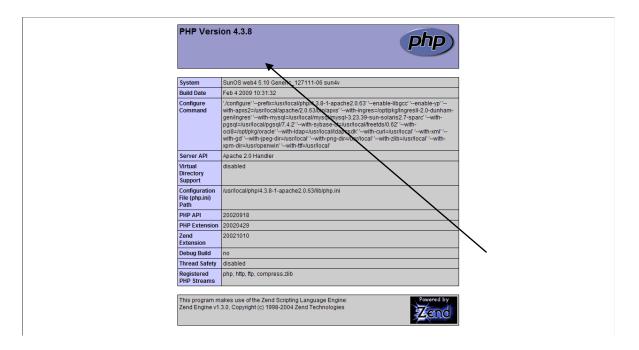
- The server should be running MySQL and PHP the usual set up for something like Moodle should suffice.
- Create a database on the server using MySQL called Xerte
- Create a user called xerte and give them all schema privileges to the database, choose a suitable password

- Create a folder in the server web site called xertetoolkits
- Give Everyone modify access rights to this folder
- In IIS Manager right click on the folder and go to properties
  - o In Directory Security make the folder Anonymous Access
  - In HTTP headers select MIME Types and add
    - Extension: .rlm and MIMEtype: text/plain
    - Extension: .rlo and MIMEtype: text/plain
    - Extension: .rlt and MIMEtype: text/plain
- Download the Xerte Online Toolkits from http://www.nottingham.ac.uk/toolkits/
- Extract the zip file to another folder
- Rename the file index.php as index1.php
- Rename the file switch.txt as index.php
- Look at the index.php file and find the line which says switch(\$\_POST["login"]){. Below that line is a set of users and passwords, you will need to use one of these for testing.
- Now copy all the files from the extracted folder into the xerte folder on the web site
- On the server itself load a web browser and run
   <a href="http://(yourserver)/xertetoolkits/setup">http://(yourserver)/xertetoolkits/setup</a> and click on
  'For a full install'.
- On Page 1 enter the following:
  - Please start by typing in the name of the host where you'd like the toolkits database to be created on. People following the XAMPP path / or testing locally should type in localhost. – localhost
  - Please enter the username for a MySQL account that has Create and Insert rights on this host from this location. People following the XAMPP path / or testing locally should type in root. - xerte as above
  - Please enter the password for this account (optional). People following the XAMPP path / or testing locally should leave this field blank. - xerte password as above
  - Please enter the name for the database if it already exists, or the name of the new database if you'd like one creating. - xerte as above
  - o If you'd like to prefix the tables installed with a word to help house keeping, please type it in below (optional). leave blank
- On Page 2 enter the following:
  - Database account name for users of the site. People following the XAMPP path / or testing locally should type in root. - xerte as above
  - Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank. - xerte password as above
- On page 3 enter the following:
  - \* The site url is (This is the URL of the site changing this will not change the URL) http://(yourserver)/xertetoolkits</hr>
    - \* The admin username is xerteadmin
    - \* The admin password is suitable password
    - \* Leave the rest to edit later
- The installation should now finish

- Leave the server and go to the web site on a local computer at
   <a href="http://(yourserver)/xertetoolkits/management.php">http://%28yourserver%29/xertetoolkits/management.php</a> and logon as the xerteadmin. From here you can edit the details you missed out on page 3.
- Now logout and go to <a href="http://(yourserver)/xertetoolkits/<a href="http://%28yourserver%29/xertetoolkits/">http://%28yourserver%29/xertetoolkits/</a> using the user and password you noted from the switch.txt which you renamed index.php.
- Test Xerte to see if it works.
- Add more users to index.php for testing or change the users already there.
- To use LDAP edit the LDAP settings, rename index.php as switch.txt and rename index1.php as index.php. (This process can be reversed).

#### **Further Installation Guidance**

Use your PHP info page (one comes in the setup folder) to find the 'Configuration File' (look on the first part of the php info page for the text 'Configuration File' - the use this path to find the file. Make a copy of it before you start. You can edit this file in notepad, or any text editor. People following the XAMPP path should find that they do not need to make any of these changes to make their system work. Most servers will also have the majority of these settings already in place



#### The PHP File uploads setting

- Look in the Ini file for "file uploads =" and set the value to be On
- Look in the Ini file for "upload\_tmp\_dir =" and set the value to a path of your system outside
  of the area available from the web server (i.e if you are using XAMPP do not put the temp
  directory in the HTDOCS folder)
- Look in the Ini file for "upload\_max\_filesize =" and set the value to a that you want to be the maximum file size you can upload. The format for the setting is the number, then the letter 'M'.

- Look in the Ini file for "post\_max\_size =" and set the value to a that you want to be the maximum file size you can upload (PHP advise you set this value to be slightly greater than the upload\_max\_filesize. The format for the setting is the number, then the letter 'M'.
- Look in the Ini file for "memory\_limit =" and set the value to a that you want to be the maximum file size you can upload (PHP advise you set this value to be slightly greater than the upload\_max\_filesize. The format for the setting is the number, then the letter 'M'.

The PHP "MySQL" Settings

Please see <u>PHP's own guide</u> for more details. Xampp installs should come with MySQL installed. Different versions of PHP however may or may not have MySQL installed by default. If on the PHP Info page you can find a section headed "MySQL", then you should find it is installed.

#### The PHP "Sessions" Settings

Please see <a href="PHP's own guide">PHP's own guide</a> for more details. Sessions should be turned on by default in a PHP install. Again, XAMPP users should find this is installed by default. Some of the session file settings in index, integration and session.php have been commented out - you may wish to look at which settings work best for you .

## The PHP "LDAP" Settings

Please see <u>PHP's own guide</u> for more details. If you don't want to use LDAP you could write your own authentication code, or refer to the readme.txt in the main install folder on how to run an LDAP free version of the code.

#### The PHP "Mail" Settings

Please see PHP's own guide for more details. As the page lists, you may need to set the following variables - SMTP, smtp\_port, sendmail\_from and sendmail\_path. Should you wish to, you can run the code without mail, but some modifications to the feedback and version control pages would be required.

#### Before proceeding ensure that

- Your server runs php 4.3 or above
- Your server has mysql support turned on
- If you do not have LDAP, you have a viable enterprise level authentication alternative that can be ran from PHP.
- Your server supports PHP Sessions.
- You have set the right access values as described above.

## Starting the installation process

Start by downloading the zip. Go to the Xerte website (<a href="http://www.nottingham.ac.uk/xerte">http://www.nottingham.ac.uk/xerte</a>) and select Xerte On-line Toolkits from the left hand side. This will then offer you the chance to download the zip.



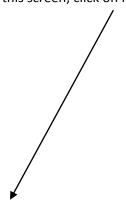
Accept the download by clicking on "save".



Once the download has finished, extract the zip file's contents to a temporary folder. Then make a new folder on your webserver and then take the files / folders and place them in that folder on the file system that acts as your webserver. For XAMPP Installs, this is usually "htdocs", on a web server this is often "public html" or "www".

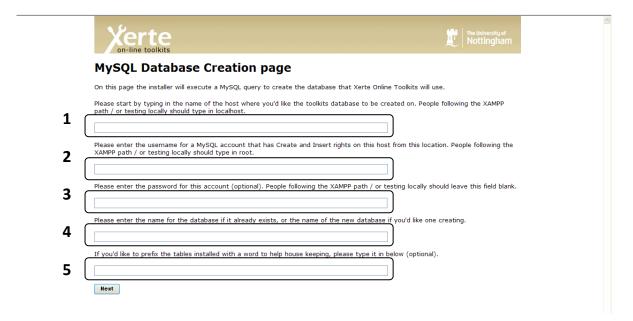
Once you have down this, open a new web browser and navigate to <a href="http://(your">http://(your</a> web host)/the folder you created earlier.

You should see this screen, click on full



Xerte	The University of Nottingham
Welcome to the Xerte Online Toolkits Installer	
Xerte Online Toolkits is a suite of web based tools designed and developed by the <u>IS Learning</u>	ng Team at the University of Nottingham.
Xerte Online Toolkits is a powerful suite of browser-based tools that allow anyone with a we learning materials simply and effectively, and to collaborate with other users in developing c number of project templates for creating online presentations and interactive content. Cont and multiple users can collaborate on shared projects. Xerte Toolkits is free software, release three files:	content. Xerte Online Toolkits provides a tent is assembled using an intuitive interface,
Snoopy.class.php - written by Monte Ohrt and released as LGPL	
Archive.php - written by Devin Doucette and released as GPL	
dunzip2.inc.php - written by Alexandre Tedeschi and released under his own terms (please s	see the file for details).
Next For XAMPP People	
Mext For a full install	

#### You will then see this screen



**In Box 1** – Put the name of the database server on which you want Xerte Online Toolkits to create its database. People following the XAMPP Path can put localhost

**In Box 2** – Put the name of an account which can use the CREATE keyword in mysql, and as such has the rights to create the database. XAMPP people can type root

**In Box 3** – Put the password for the account you entered into box 2. XAMPP People can leave this empty, unless they are aware they have changed this.

**In Box 4** – Put the name of the database you would to either use or create. Xampp people should call this toolkits.

**In Box 5** – If you would like to easily separate your Xerte Online Toolkits tables from other tables, you can opt to prefix them with a value. Should you wish to do this enter a prefix here. XAMPP people can leave this blank.

When you have entered these values click "Next". Clicking next will attempt to create the database, if this fails it will give you error messages on the next page.

On this page, you will enter an account which the site will use to connect to the database. The installer will **not** create a new account. This account will need **delete, insert, select and update** rights. It is not recommended that you use the account you used to create the database. Xampp people can use root as the account name, and leave the password blank.

MySQL Database Account Set up page  Your Xerte Online Toolkits database has been successfully created. When users are creating work on the site, the PHP will need a MySQL username with select,insert,update and delete privleges.  Database account name for users of the site. People following the XAMPP path / or testing locally should type in root.  Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank.		Xerte on-line toolkits	The University of Nottingham
MySQL username with select,insert,update and delete privleges.  Database account name for users of the site. People following the XAMPP path / or testing locally should type in root.  1  Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank.		MySQL Database Account Set up pa	age
Database password for the account above. People following the XAMPP path / or testing locally should leave this field blank.	-		hen users are creating work on the site, the PHP will need a
		Database account name for users of the site. People following the XAM  1	MPP path / or testing locally should type in root.
Next		2	P path / or testing locally should leave this field blank.

In Box 1 – Put the name of the MySQL account you wish to use

**In Box 2** – Put the password for this account

When happy with these values, please click next. This will take you to page 3 of the installer. Page 3 contains a series of values you should enter to ensure your site works.

Setup: Page 3	Values		
Variable	Purpose	Default Value	Change?
Name The <u>site url</u>	This is the URL of the site - changing this will not change the URL	The installer will work this out for itself for each site	Do not change this unless it is obviously wrong
The site title	This is the HTML title tag content	"Welcome to Xerte Online Toolkits"	Should you wish to
The site name	This is part of index.php and the RSS and Syndication feeds	"Xerte Online Toolkits"	Should you wish to
The site logo	The logo in the top left, as you can currently see on the installer page	website_code/images/xerteLogo.jpg	You can change this, but this function does not upload an alternative. You would need to manually upload a file and then place its path into the form field supplied.
The organisation al logo	The logo in the top right, as you can currently see on the installer page	website_code/images/UofNLogo.jpg	You can change this, but this function does not upload an alternative. You would need to manually upload a file and then place its path into the form field supplied.
The Welcome message	The welcome prompt displayed on the home page after logging in	"Welcome to Xerte Online toolkits"	Should you wish to
The site text	The welcome prompt on the page that prompts for logging in	"Welcome to the toolkits front page, developed by the University of Nottingham"	Should you wish to
The news text	Html for the small pod below the login box	"Other resources <a href="">Site 1</a> <a href="">Site 2</a> <a href="">Site 3</a> "	It is advised that you alter this code to be relevant your install, but this can be done at a later date.
The copyright message	Copyright message that appears on the login page and the logged in page	"© Copyright University of Nottingham 2008"	This should be left in place
The demonstration page	A page containing a small training video	modules/xerte/training/toolkits.htm	Please leave this in place unless you can provide an alternative
The <b>form string</b> is	Used on the login page to draw part of the screen	" <html><body><center><form action="" method="post">Username <input maxlength="12" name="login" size="20" type="text"/>Password <input maxlength="36" name="password" size="20" type="password"/><input on<="" onmousedown="this.src='website_code/images/Btt tn_LoginClick.gif" onmouseout="this.src='website_code/images/Bttn_loginClick.gif" onmouseover="this.src='website_code/images/Btt n_LoginOn.gif" src="website_code/images/Bttn_LoginOff.gif" td="" type="image"/><td>Can be changed if required but may affect page layout / function</td></form></center></body></html>	Can be changed if required but may affect page layout / function

		_LoginOff.gif'" />".	
The content of <b>pod one</b>	Content for the left most pod on the logged in page	"p class="news_title">How to class="demo"> <a href="javascript:alert('Sorry. This is not yet available')">30 Second Demo</a> being started, built and published for the web. class="demo"> <a href="javascript:alert('Sorry. This is not yet available')">Learning Object Demo</a> being started, built and published for the web. class="demo"> <a href="javascript:alert('Sorry. This is not yet available')">Learning Object Demo</a> being started, built and published for the web.	Can be changed if required but may affect page layout / function
The content of <b>pod two</b>	Content for the other pod on the logged in page	"Want to share some thoughts?If you have any questions, requests for help, ideas for new projects or problems to report, then please get in touch.Please use our <a href="feedback/" style="color:#000">Feedback Form</a> "	Can be changed if required but may affect page layout / function
<b>HTACCESS</b> setting	Whether or not you are using a .htaccess file on the site - the apache config must allow for overrides	false	If you want to use a .htaccess set this to be true.  You should only set this to true if you are 1 – running apache and 2 – are sure the htaccess will work. Do not set this to be true otherwise.
The integration config path	for use if integrating with other systems	Empty	Can be left blank during the install. Has specific purposes but for advanced installs
The admin username	Once the site is installed, running management.php will allow you to change any of the values you have set on this screen	Empty	Put a username in here Please note this is stored as text
The <b>admin</b> password	The password for the above account	Empty	Put a username in here  Please note this is stored as text
The allowed upload types for the Media and quota page	On the properties tab, various media mimetypes are acceptable	text/xml,application/msword,application/x-shockwave- "flash,image/jpeg,image/pjpeg,image/png,image/g if,image/x-png,audio/mpeg,application/vnd.ms- excel,application/pdf,application/vnd.ms- powerpoint,video/x-ms- wmv,text/html,video/mp4,video/avi,audio/wav,te xt/plain,video/quicktime	You are welcome to add other mime types to this list  These are added into each projects media folder, so will sit on the web server
The RSS Feed title	Appears as the title of the RSS Feed	"Xerte Online Toolkits"	You are welcome to change this, but if you do, please be certain to make sure you don't invalidate the RSS. Many RSS feed validators are available.
The institutional publisher	The value inserted into DC:publisher on the Syndication RSS Feed	"Put your institution's name here"	You are encouraged to change this, but if you do, please be certain to make sure you don't

			invalidate the RSS. Many RSS feed validators are available.
The standard syndication rights for the syndicated content	The DC rights for the feed	Creative Commons Attribution - NonCommercial- ShareAlike 2.0 Licence - see http://creativecommons.org/licenses/by-nc- sa/2.0/uk/	Please change this to a license your institution is happy with
The standard syndication license for the syndicated content	The CC license for the feed	Creative Commons Attribution - NonCommercial- ShareAlike 2.0 Licence - see http://creativecommons.org/licenses/by-nc- sa/2.0/uk/	a Please change this to a license your institution is happy with.
The <b>module</b> path	Where the modules live on the web server	modules/	Should only be changed as part of advanced installs
The website code path	Is the path to the root of the code used by the website outside of the root	website_code/	Should only be changed as part of advanced installs
The short file area path	The short path to the folder which stores a users items	USER-FILES/	Should only be changed as part of advanced installs
The php library path	The path to where the PHP libraries live on the webserver	website_code/php/	Should only be changed as part of advanced installs
The <b>root file</b> path	The root path for the site	The is set per site by the installer.	Should only be changed as part of advanced installs, or if it is obviously wrong
The import path	Where imported files are temporarily held	The is set per site by the installer.	Can be left as is, but you should note this is within the root of the website and it may be more secure to move it outside
The play edit preview query	A single query used by play, edit and preview pages	select ".\$xerte_toolkits_site- >database_table_prefix .  "originaltemplatesdetails.template_name, ". \$xerte_toolkits_site->database_table_prefix .  "logindetails.username, ".\$xerte_toolkits_site- >database_table_prefix .  "originaltemplatesdetails.template_framework, ". \$xerte_toolkits_site->database_table_prefix .  "templaterights.user_id, ".\$xerte_toolkits_site- >database_table_prefix . "templaterights.folder, ". \$xerte_toolkits_site->database_table_prefix .  "templaterights.template_id, ". \$xerte_toolkits_site->database_table_prefix .  "templatedetails.access_to_whom from ". \$xerte_toolkits_site->database_table_prefix .  "originaltemplatesdetails, ".\$xerte_toolkits_site- >database_table_prefix . "templaterights, ". \$xerte_toolkits_site->database_table_prefix .  "templatedetails, ".\$xerte_toolkits_site- >database_table_prefix . "logindetails where ". \$xerte_toolkits_site->database_table_prefix .  "templatedetails.template type id = ".	Should only be changed in advanced installs

base	Idap host but in a form that can be used to run an LDAP query, such as	DIGITA	you have another authentication service
The Idap password  The Idap	A password that the account listed in the Ldap bind can use to authenticate with. Lighter LDAP does not need this password  A string, containing the	Blank	This must be set unless you have another authentication service  This must be set unless
The <b>Idap host</b>	The port on the above host	Blank	This must be set unless you have another authentication service
The Idap host	The LDAP host you can authenticate to	Blank	This must be set unless you have another authentication service
The maximum error size	How big an error log file before older error messages are pushed out	10	You can set this to be higher, but appreciate higher values will increase the disk space used by the service
error message	should send error messages or not		administrator.  Can be toggled to help debugging.  A badly set up site could generate a lot of errors.
The error log message  The email	Whether or not error logs are created  Whether or not the site	false	A decision for the site administrator.  Can be toggled to help debugging.  A badly set up site could generate a lot of errors.  A decision for the site
The error log  The email error list	Where error logs are written to  A list of people set up to receive email messages when an error is generated	REPLACE" and role="creator" error_logs/ blank	You can move this should you wish to, but ensure it remains writable to  Please set a list of semicolon separated email address here to receive error messages when the site generates an error (A badly set up site could generate a lot of errors).
		\$xerte_toolkits_site->database_table_prefix .  "originaltemplatesdetails.template_type_id and " .  \$xerte_toolkits_site->database_table_prefix .  "templatedetails.creator_id = " .  \$xerte_toolkits_site->database_table_prefix .  "logindetails.login_id and " . \$xerte_toolkits_site->database_table_prefix .  "templaterights.template_id = " .  \$xerte_toolkits_site->database_table_prefix .  "templatedetails.template_id and " .  \$xerte_toolkits_site->database_table_prefix .  "templaterights.template_id="TEMPLATE_ID_TO_	

	DC=ad,DC=hostname,DC		
	=com		
The Idap bind	A string used in the Idap query, but provides information on authenticating to LDAP and also which parts of the LDAP system to search when trying to authenticate a user.	Blank	This must be set unless you have another authentication service
The first LDAP filter	Part of the LDAP Process to tell the search query what fields to search for	"sAMAccountName" - this is a widely used value in academic institutions. You may wish to change this to something more suitable.	This must be set unless you have another authentication service
The second LDAP filter	Another part of the LDAP searching process	"cn=", this is a widely used value in academic institutions	This must be set unless you have another authentication service
The Peer form string	Used on the peer review page to make a login box	" <html><body><center><form action="" method="post">Password <input maxlength="36" name="password" size="20" type="password"/><input onmousedown="this.src='website_code/images/Bt tn_LoginClick.gif" onmouseout="this.src='website_code/images/Bttn_LoginOff.gif" onmouseover="this.src='website_code/images/Btt n_LoginOn.gif" src="website_code/images/Bttn_LoginOff.gif" type="image"/>"</form></center></body></html>	You are welcome to change this but appreciate it may affect layout and site function
The flash save path	Used by the Xerte editor to save its XML	/xerte/engine/save.php	Should only be changed as part of advanced installs  You are welcome to change the code inside
The flash upload path	Used by the Xerte editor to upload files	upload.php?path=	Should only be changed as part of advanced installs  You are welcome to change the code inside
The flash preview check path	Used by the Xerte editor to check if a file exists	modules/xerte/engine/file_exists.php	Should only be changed as part of advanced installs  You are welcome to change the code inside
The flash flv skin	Used by the Xerte editor to display a preview of an FLV	modules/xerte/engine/tools/SteelOverAll.swf	Should only be changed as part of advanced installs  You are welcome to replace this.
The site email account	Email account which receives feedback from the feedback page	Blank	Recommended you set this
The site email headers	Used to format the emails sent by the peer review page	Blank	Use a * to denote a \n in the email headers.  It is recommended you
			set this
The <b>site</b>	The system only stores	Blank	It is recommended you

email to add to username	the username provide by LDAP.  Use this value to append the username to form an email address.  This is used by the		set this  You don't need to use the @ symbol
	lockfile code, and on the peer review page		
The site's proxy host	This is used by various parts of the code to get resources from the internet. It should be a valid proxy service.	Blank	It is recommended you set this
The site's proxy port	The port on the above host	Blank	It is recommended you set this

Once you have decided on these values (remember you can go back and change them using management.php) click "Submit query".

#### A successful installation should now occur, which will look as such

The sitedetails site\_logo query succeeded
The sitedetails organisational\_logo query succeeded
The sitedetails site\_text query succeeded
The sitedetails site\_text query succeeded
The sitedetails site\_text query succeeded
The sitedetails pod\_two query succeeded
The sitedetails pod\_two query succeeded
The sitedetails pod\_two query succeeded
The sitedetails synd\_npublisher query succeeded
The sitedetails synd\_publisher query succeeded
The sitedetails synd\_publisher query succeeded
The sitedetails synd\_publisher query succeeded
The sitedetails synd\_license query succeeded
The sitedetails form\_string query succeeded
The sitedetails form\_string query succeeded
The sitedetails form\_string query succeeded
The sitedetails pers\_form\_string query succeeded
The sitedetails pla\_part\_pupath query succeeded
The sitedetails mori\_form\_list query succeeded
The sitedetails mall\_error\_list query succeeded
The sitedetails mall\_error\_list query succeeded
The sitedetails mall\_error\_list query succeeded
The sitedetails land\_port query succeeded
The sitedetails land\_pore query succeeded
The sitedetails land\_port query succeeded
The s

#### **Install complete**

Your site URL is <a href="Itdev.nottingham.ac.uk/installsim/">Itdev.nottingham.ac.uk/installsim/</a>

If you have installed this on a public facing server, please look to remove the php file you are not planning to use. Index, demo, integration, webctlink and management.php all can access the site in some way. You should rename the files you do not plan to use.

Blacco con the Verte cite at http://www.pattinaham.ac.uk/verte and placco concider inining the mailing lie

The installer runs, and provides a result for each of the values added to the system.

Any error is reported on an item per item basis.

Your site should now function normally. To change any of the values go to management.php in the root of the site.

### **Authentication in Xerte Online Toolkits**

Authentication in Xerte Online Toolkits comes in several forms. If you work using a local XAMPP install, then this will all be set up for you. There follows a list of authentication options:

#### Demo.txt

In the root of the install is a file called demo.txt, if you rename this to be demo.php, you will have a page which can access the site without a password or username. It is unsecure however, as it can be ran by anyone with access to the file. Do not use Demo.php on a public web server where anyone could access it unless you have other security measures in place.

#### Integration.txt

Integration.txt is also in the root of the install. This is like demo.php but expects to draw a password and a user name from somewhere else, such as from a moodle session or some other provider.

#### Webctlink.txt

Webctlink.txt is an alternative to integration.txt, built specifically for WebCT version 8, and using the free powerlink available from <a href="http://www.spvsoftwareproducts.com/">http://www.spvsoftwareproducts.com/</a>.

You need to set the powerlink up to have the following

- Pass the username via GET as "username"
- Pass the a variable called "webctpowerlink" and set it as "true"

Then alter line 70 of webctlink.txt so that \*\*\*YOURWEBSITEHERE\*\*\* is the name of your webct host. Then rename webctlink.txt to be <<something>>.php and add this url into your powerlink configuration.

#### Switch.txt

Switch.txt is the same as demo.txt except is has limited support for multiple users. It is not considered suitable for enterprise level usage.

Lines 116-120 of Switch.txt provide examples of how the system authenticates. Taking line 116 as an example

```
case "pat": if($_POST["password"]=="patpassword"){ $authenticated = true;
set_user_details("Pat","Blair");}; break;
```

This will provide for you a user called pat, with the password "patpassword". Pat's first name is also Pat, and Pat's surname is Blair.

So to set up an account for Joe Bloggs, with the password "opensesame", it would look like

```
case "joe": if($_POST["password"]=="opensesame"){ $authenticated = true;
set_user_details("Joe","Bloggs");}; break;
```

# **Running Xerte Online Toolkits with Authentication from Moodle**

Ron Mitchell has created a patch to allow Moodle users to use Moodle to authenticate users to Xerte Online Toolkits. The patch can be downloaded from <a href="http://mitchellmedia.co.uk/xerte/xerte">http://mitchellmedia.co.uk/xerte/xerte</a> 1.0.2 moodlepatch.zip

# **Frequently Asked Questions**

Q: When I extract the zip file, I receive a lot of duplicate error messages

A: Make sure that when you unzip, your zip tool ensures the folders are unzipped as well

Q: I get "Page cannot be found" when I try to run setup

A: You may have another web service running. If you are running a PC, try this guide to disabling IIS - <a href="http://support.microsoft.com/kb/321141">http://support.microsoft.com/kb/321141</a>. Only disable IIS if you are certain no other service on your PC uses it. You also need to make sure PHP is running. If your using XAMPP, look at the XAMPP control panel to see if PHP is running.

Q: I get a function "Mysql\_connect" does not exist error

A: You do not have MySQL installed as a PHP module. Install mysql (perhaps using XAMPP) then start again. You need to make sure MySQL is running. If your using XAMPP, look at the XAMPP control panel to see if MySQL is running

Q: On page 4 of the installer I get a series of errors.

A: You did not make the root folder and/or the setup of your site writable too. As such your database configuration will not have been set up. You will need to start the process again after making the folders writable. You specified the wrong database host and / or password. The account you gave on page 2 lacks insert rights to this database

Q: When I try to log in I get a white screen

A: You do not have LDAP installed. If you cannot use LDAP to authenticate, consider using one of the other options provided in the authentication section.

Q: I cannot log in as administrator

A: The administrator account only works on management.php, not index.php

A: You did not set admin\_username and admin\_password when setting up the site

Q: I get the following error:

"Warning: fopen(database.txt) [function.fopen]: failed to open stream:

Permission denied in

/home/httpd/vhosts/schoolict.ch/httpdocs/xertetoolkits/setup/page2.php on line 98

Warning: fwrite(): supplied argument is not a valid stream resource in /home/httpd/vhosts/schoolict.ch/httpdocs/xertetoolkits/setup/page2.php on line 99

Warning: fclose(): supplied argument is not a valid stream resource in /home/httpd/vhosts/schoolict.ch/httpdocs/xertetoolkits/setup/page2.php on line 100"

A: You did not set the setup folder to be writable. Restart the process after making this change

Q: The RSS page doesn't work

A: You need to set a proxy and a proxy port in the management side of things for this to work

Q: When I create a new piece, the editor buttons are greyed out and disabled

A: You may need to set up new mime types on your server.

A: Your learning object failed to load – is the USER-FILES folder empty?

Q: I can't create new items – they only display when I refresh a page

A: Something in your PHP code is failing, check the sitedetails table to see if root\_file\_path is ok, or that you have right access to the user-files folder.

Q: None of the play, edit or preview pages work

A: You may have set up a .htaccess when you can't use one, or your Apache server has other settings conflicting with the .htaccess used by Xerte Online Toolkits

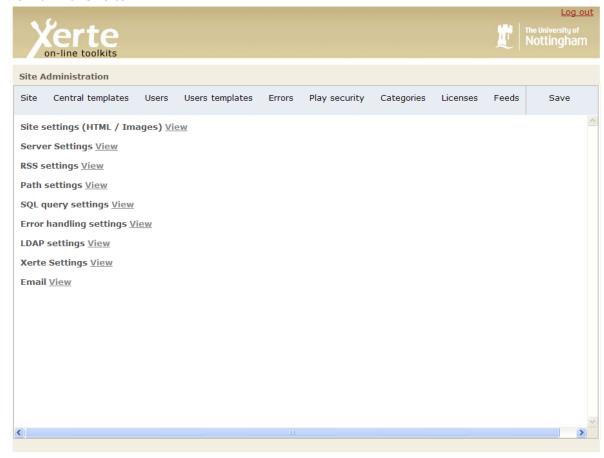
# **Site Management**

Managing a Xerte Online Toolkits install can be achieved by using management.php. This is another web based interface stored in the root folder of the install. This feature doesn't work on standard XAMPP Installs. You will need to set admin\_username and admin\_password in the sitedetails table for this feature to work properly

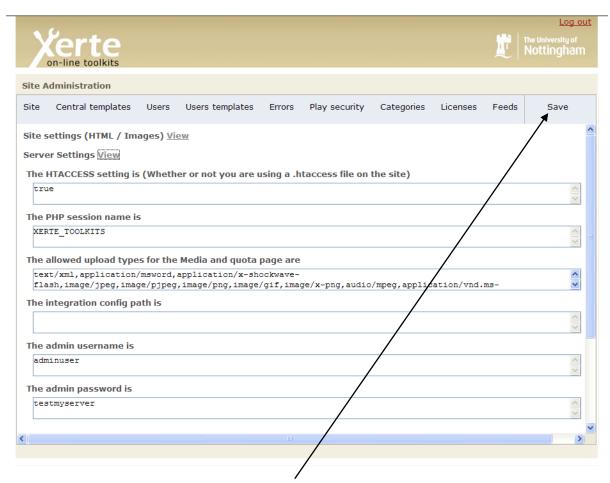
Then visit either http://yoursite/management or http://yoursite/management.php to access these panels.

### **Using Management.php**

#### The Main Panel: Site



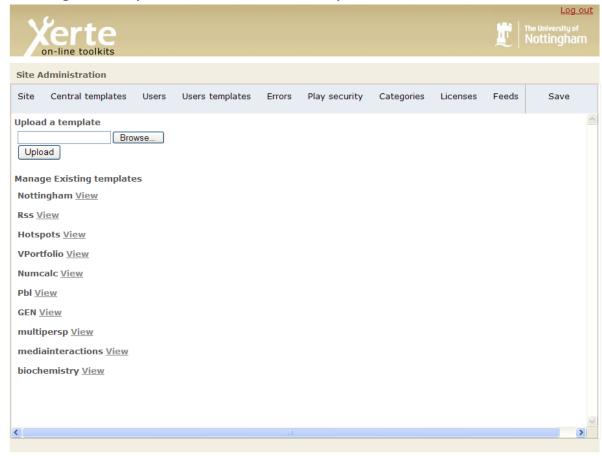
The main panel replicates the functionality of the installer. Here you can click on view, and then you will see the settings relevant to that area.



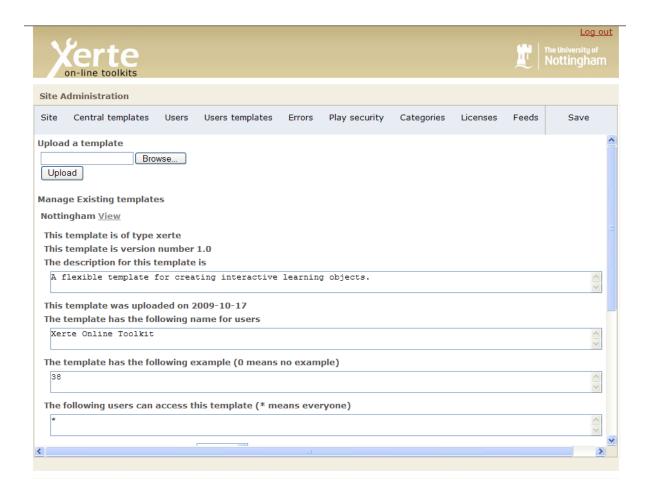
You can then change these and then click on "save" in the top right.

You can see a full list and explanation of what these values do earlier in this document.

### **Controlling What Templates Are Available: Central templates**



Clicking on central templates will bring up the following. Here you can see all of the templates currently installed on the site.

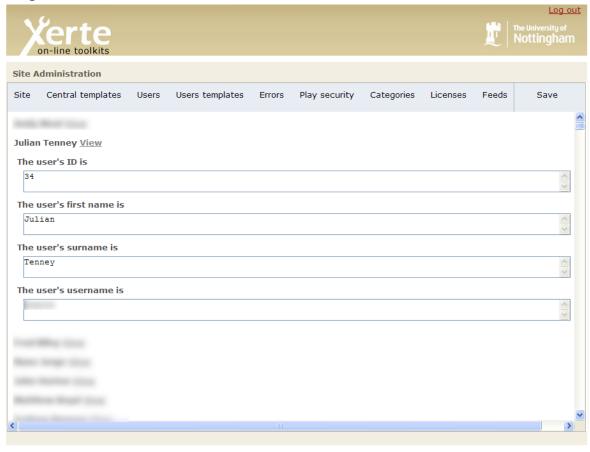


Clicking on view will bring up template details including

- 1) Module type for this template
- 2)Version number
- 3)Template description
- 4)Template name
- 5)Template example number
- 6)Template access restrictions (who can access this template)
- 7) Whether this template is active

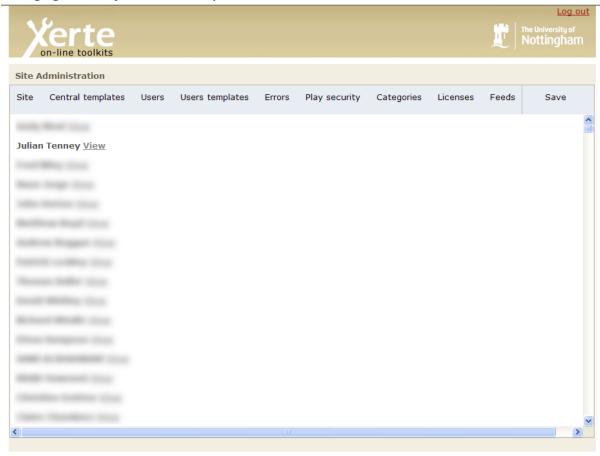
These values can be changed and saved by clicking on upload – you can also use this feature to upload new templates, or replace an existing one (you cannot keep older versions backed up, this feature replaces them).

### **Manager User Accounts: Users**

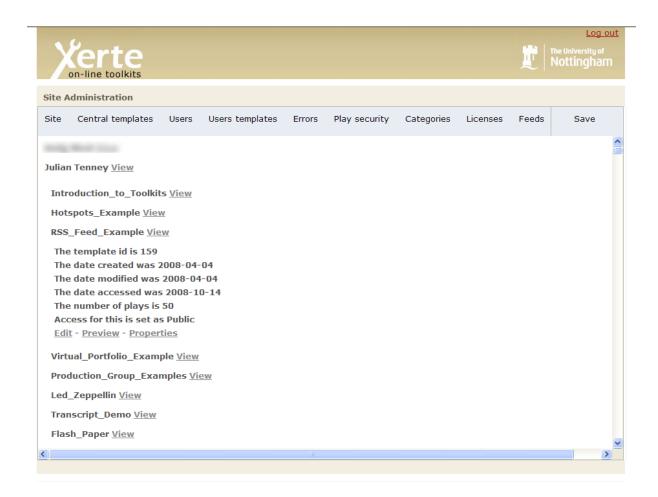


Clicking on users will bring up a list of user's who have used the site. Clicking on view will bring up their details. You could use these tools for changing a users name or moving content from one user to another.

## **Managing User Projects: Users templates**

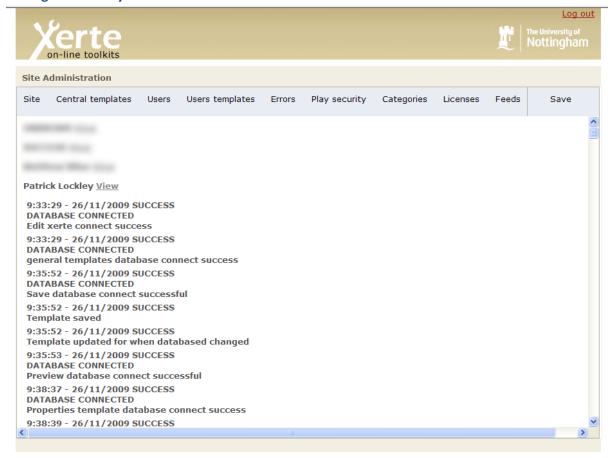


Clicking on user templates will bring up the following screen, and then you can click on view so you can see an individual users projects



Then click on view to see that particular projects – details. Here you can (as adminiatrator) edit these templates and also look at properties.

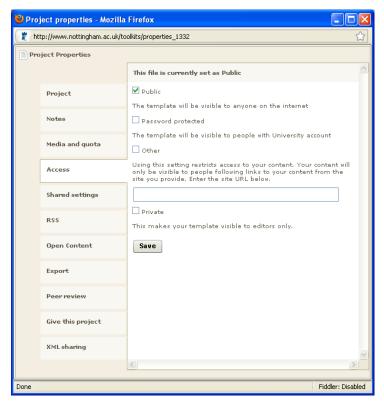
### **Tracing Site Activity: Errors**



If you have turned error logs on, this screen will display the logs for each user. Click on view next to a user and you will see what the site has recently logged for them.

### **Setting New Security Options: Play Security**

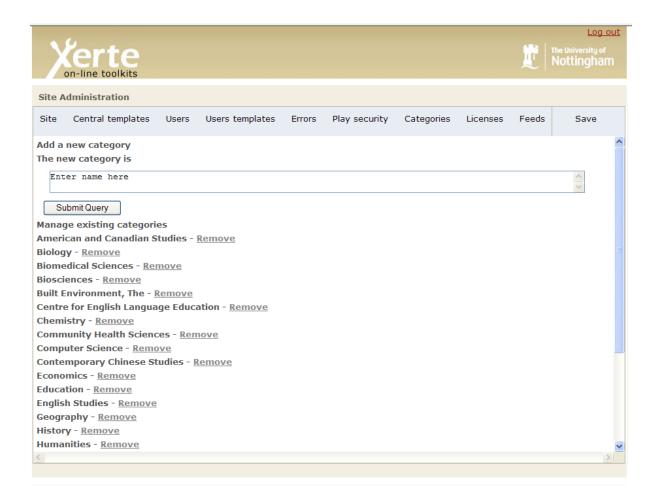




On the access tab in properties, you can see a list of possible access options. On this part on the management screen you can add new options.

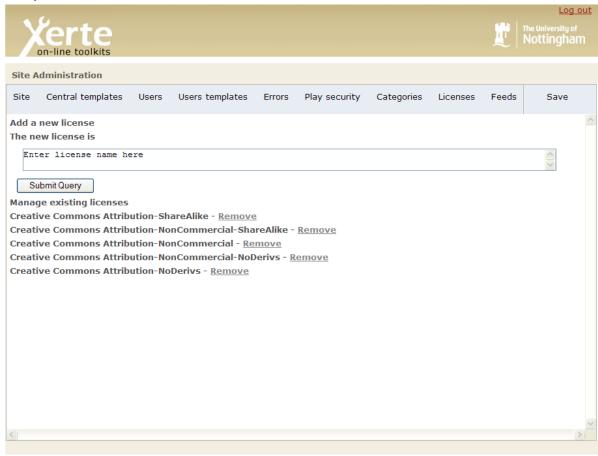
The name is what is put next to the tick box, the data is either a colon separated list of web addresses (taken from server referrer) or ip addresses (taken from remote host) and the info is the small paragraph underneath the name.

RSS options - "Categories"



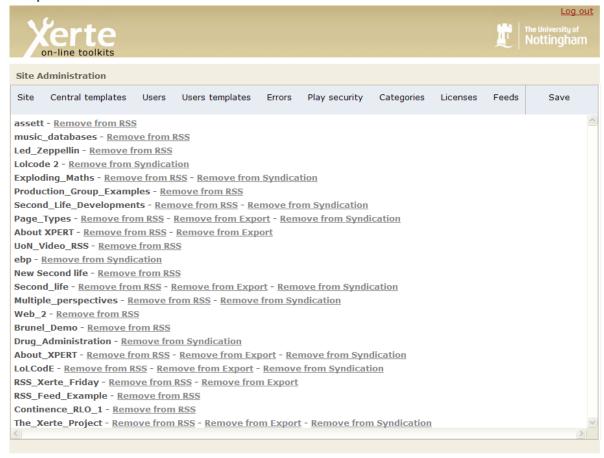
If you want to add or remove a new option for RSS categories, come to this page, and either type a new one in and click "submit query" or click on one you would like to remove.

### **RSS Options: Licenses**



As well as categories, items submitted to an RSS feed should have rights for reuse attributed to them. This page allows you to add new or remove licenses you do not need.

### **RSS Options: Feeds**



You may also find content in your feed which is not suitable. This page allows you to remove items from the three feeds (RSS, Export and Syndication) that Xerte Online Toolkits supports.