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UMAC CMS INSTALLATION INSTRUCTIONS

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The UMAC CMS is a self-contained PHP application based on the Zend Framework using MySQL as the database backend. Additionally there are two separate applications contained within the CMS - a blog system (Newsblog/Textpattern) and a wiki (UMAC Wiki/MediWiki) which installation is optional.

The installation process consists of

- A. installing the application into a directory
- B. configuring the web server and the PHP module
- C. installing the CMS MySQL database
- D. adjusting CMS configuration (database, directory permissions)
- E. (optional) installing and configuring the blog
- F. (optional) installing and configuring the wiki

System Requirements

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- a Unix-like server operating system (Linux, BSD, Mac OS X, ...)
- Apache HTTP Server 2.2 or later, with mod_rewrite
<http://www.apache.org/>
- PHP 5.2 or later as Apache module, with extensions mbstring, mysqli
<http://www.php.net/>
- Zend Framework 1.9 or later (the framework itself plus Extras ZendX)
installed and in include_path
<http://framework.zend.com/>
- MySQL 5.0 or later
<http://www.mysql.com/>
- super user access to server and database server

Files and Database Dumps

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These files and archives are necessary for installation :

{app.pack}	= umac.tgz	(Archived application)
{app.sql}	= umcc.sql	(MySQL database dump UMAC CMS)
{txp.sql}	= umctxp.sql	(MySQL database dump Textpattern (Newsblog), optional)
{wiki.sql}	= unimuscoll.sql	(MySQL database dump MediaWiki (UMAC Wiki), optional)

Variables

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```
{appdir}
    UMAC CMS application installation directory
{appdb}
    UMAC CMS MySQL database
{apphost}
    UMAC CMS Home URL
{apacheuser}
    Unix user the Apache web server is running under
{txpdb}
    Textpattern (Newsblog) MySQL database
{wikidb}
    MediaWiki (UMAC Wiki) MySQL database
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Username & Passwords

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```
{umacadmin} = umcadm
    UMAC CMS site administrator
{umacadminpw} = tri#xie
    UMAC CMS site administrator password

{txpadmin} = umcadmin
    Newsblog (Textpattern) administrator
{txpadminpw} = drp21.
    Newsblog (Textpattern) administrator password

{wikiadmin} =
    UMAC MediaWiki administrator
{wikiadminpw} =
    UMAC MediaWiki administrator password
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INSTALLATION

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A. Install the Application Into a Directory

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1. Create a new and empty directory {appdir} for the application
2. Unpack the archived application {app.pack} into the directory

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Example: [shell]: mkdir {appdir}
           cd {appdir}
           tar xvzf /path/to/umac.tgz
```

B. Configure Apache Web Server and PHP module

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1. Create if necessary a Virtual Host
2. Set for the host these configuration options:
DocumentRoot = "Absolute Path to {appdir}/public"
AllowEncodedSlashes On
Note: The application is configured to automatically detect that it is running from a subdirectory. In that case, point a symbolic link to {appdir}/public
3. Make sure the Zend Framework (Zend) and Zend Framework Extras (ZendX) are installed and in include_path of the PHP module configuration

C. Install the CMS MySQL Database

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1. Create a new and empty database {appdb}
2. Import {app.sql} into the database
Example: [shell]: mysql {appdb} < {app.sql}
3. If necessary, create a dedicated MySQL user for {appdb} with reading and writing privileges for all tables of {appdb}

D. Adjust CMS Configuration

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1. Adjust database host, name, user and password for {appdb}
Configuration file:
{appdir}/application/configs/application.ini
Configuration options:
resources.db.params.host = "[MySQL host of {appdb}]"
resources.db.params.username = "[MySQL user of {appdb}]"
resources.db.params.password = "[password for MySQL user of {appdb}]"
resources.db.params.dbname = "{appdb}"
2. Adjust Unix write and ownership permissions for these directories so that they and their contents are writable for the web server:
{appdir}/public/pdf
{appdir}/public/img
Example: [shell]: chown -R {apacheuser} {appdir}/public/pdf
[shell]: chmod -R 775 {appdir}/public/pdf
[shell]: chown -R {apacheuser} {appdir}/public/img
[shell]: chmod -R 775 {appdir}/public/img

The CMS should be now up and running. You may login using {umacadmin} and {umacadminpw}. You may want additionally adjust the variables in the "Variables" section of the migration instructions in {appdir}/PACKANDGO to reflect the current installation.

E. (Optional) Install and Configure the Newsblog

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At this date, the UMAC website has a blog system integrated, which is an own application itself, located at {appdir}/public/news and linked through the menu item "Newsblog". The blog system is a Textpattern installation, see also: <http://textpattern.com/>

1. Import the Textpattern database into MySQL:
 - create a new and empty database {txpdb}
 - Import {txp.sql} into the database
 - Example: [shell]: mysql {txpdb} < {txp.sql}
2. Adjust configuration information in the Textpattern config file {appdir}/public/news/textpattern/config.php
3. Ensure that the web server has writing permission for these directories and their contents:
 - {appdir}/public/news/textpattern/files
 - {appdir}/public/news/textpattern/images
4. Log into the system at {apphost}/news/textpattern with {txpadmin} and password {txpadminpw}
 - Check for error messages at Admin > Diagnostics
 - Update preferences at Admin > Preferences, in particular the Site Url

F. (Optional) Install and Configure the UMAC Wiki

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At this date, there is an internal Wiki at {appdir}/public/wiki and web reachable at {apphost}/wiki. It is a MediaWiki installation, see also: <http://www.mediawiki.org>

1. Import the MediaWiki database into MySQL:
 - create a new and empty database {wikidb}
 - Import {wiki.sql} into the database
 - Example: [shell]: mysql {wikidb} < {wiki.sql}
2. Adjust configuration information in the MediaWiki config file {appdir}/public/wiki/LocalSettings.php
3. Ensure that the web server has writing permission for these directories and recursively their contents:
 - {appdir}/public/wiki/images
4. The {appdir}/public/wiki directory may contain a .htaccess file which may contain server based authentication configuration to restrict access on the HTTP protocol level. You may want to review and adjust or remove this configuration

