

Move/Restore MalkinMorrisWiki

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Database settings

```
$wgDBtype = "mysql";  
$wgDBserver = "localhost";  
$wgDBname = "MalkinMorrisWikiDB";  
$wgDBuser = "wikiuser";  
$wgDBpassword = "rydalplace";
```

1. Install UBUNTU Server - use most current LTS version (Enable openSSH)
2. Login to new server and sudo the following:
 - a. `timedatectl set-timezone Europe/London`
 - b. `apt upgrade/update`
 - c. `apt install apache2 mysql-server php libapache2-mod-php php-xml php-mbstring`
 - d. `phpenmod xml`
 - e. `phpenmod mbstring`
 - f. `a2enmod rewrite`
 - g. `apt install phpmyadmin` (Enable on apache2 and create a default password)
 - h. Use mysql to run the following SQL:
 - I. `GRANT ALL PRIVILEGES ON *.* TO 'phpmyadmin'@'localhost' WITH GRANT OPTION;`
 - i. Sort out the IP addressing
 - j. Modify `/etc/apache2/ports.conf` to add `Listen 8080`
3. Login to old server and take backups of the wiki
4. Backup MalkinMorrisWikiDB and transfer to new server
 - a. Modify `/var/www/html/MalkinMorris/LocalSettings.php` to include `'$wgReadOnly = 'Down for maintenance, access will be restored shortly';`
 - b. `mysqldump -h localhost -u wikiuser -p MalkinMorrisWikiDB | gzip > yyyymmdd_backup.sql.gz`
 - c. `scp yyyymmdd_backup.sql.gz <user@newserver>:/home/<user>/`
5. Backup MalkinMorris file structure and transfer to new server
 - a. `tar -zcvhf MalkinMorris.tgz /var/www/html/MalkinMorris`
 - b. `scp MalkinMorris.tgz <user@newserver>:/home/<user>/`
6. Transfer `/etc/apache2/sites-available/malkinmorriss.org.uk.conf` to new server
 - a. `scp /etc/apache2/sites-available/malkinmorriss.org.uk.conf <user@newserver>:/home/<user>/`
7. Shutdown old server
8. Login to new server and restore the wiki - use `sudo su` in `/~`
9. Restore MalkinMorrisWikiDB
 - a. Using mysql, execute the following SQL:
 - I. `CREATE DATABASE MalkinMorrisWikiDB;`
 - II. `CREATE USER 'wikiuser'@'localhost' IDENTIFIED BY 'rydalplace';`
 - III. `USE MalkinMorrisWikiDB;`
 - IV. `GRANT ALL PRIVILEGES ON MalkinMorrisWikiDB.* TO 'wikiuser'@'localhost' WITH GRANT OPTION;`
 - b. `gzip -d yyyymmdd_backup.sql.gz`
 - c. `mysql -u wikiuser -p MalkinMorrisWikiDB yyyymmdd_backup.sql`
10. Restore the MalkinMorris file structure - `cd /`
 - a. `tar -xvzf ~/MalkinMorris.tgz`
11. Restore the MalkinMorris website in apache
 - a. `cd /~`
 - b. `mv malkinmorriss.org.uk.conf /etc/apache2/sites-available`
 - c. `ln -s /etc/apache2/sites-available/malkinmorriss.org.uk.conf /etc/apache2/malkinmorriss.org.uk.conf`
12. Either: modify DNS to point `malkinmorriss.org.uk` to new server
13. Or: modify `$wgServer` in `/var/www/html/MalkinMorris/LocalSettings.php`

14. Install any required MediaWiki extensions:
 - a. For PdfHandler - apt install ghostscript imagemagick xpdf-utils
 - b. For TimedMediaHandler - apt install ffmpeg
15. systemctl restart apache2
16. Test!