Deploying Gwasanaethau Cymraeg:

→ create ubuntu box.
→ install java 8 from ppm
→ install → tomcat
        → mysql
        → nginx
mysql: →apache ~~maw~~ mvn.
→ ~~E~~ add user and create db:

→ mysql -u root -p
   password.

CREATE USER 'gc'@'localhost'
   IDENTIFIED BY 'password';

CREATE DATABASE gwasanaethan_db;
GRANT ALL ON gwasanaethan_db.*
        TO 'gc'@'localhost';
Tomcat
- ~~Edit~~ downlad mysql connector
   - and place in
→ ~~edit~~ /usr/share/tomcat7/lib
        ~~with~~ PTO.

~~upload~~

install app:

- edit `/etc/tomcat7/tomcat-users.xml`

  and add:

  ```
  <role rolename = 'manager-script'/>
  <user username = 'tomcat'
     password = 'password'
        roles = 'manager-script' />
  ```

- delete existing the ROOT app:
  `/var/lib/tomcat7/webapps/ROOT`

- clone app:
  `git clone https://github.com/hiractus/gwaicnathan-cymaeg.git`
- cd gwaicnathan cymraeg

use
maven to deploy to root:

mvn tomcat7:deploy \
~~-Dmaven.tomcat.url=~~
~~http://192.168.~~
-Dmaven.tomcat.path=/ \
-D tomcat.username=tomcat \
-D tomcat.password=password

try and ~~visit~~ visit app:
http://domain:8080/gwaschaethan/

if ~~su~~ successful:
set up nginx:
sudo vim /etc/nginx/site-enabled/~~default~~
default

#~~ad~~ delete contents and add:
server {
    listen 80;
    server-name hostname;
    location / {
        proxy-pass http://localhost:8080/;
    {
{   {

- save & restart nginx
- ensure can visit site:
    ~~http~~
    ~~http~~

(no port 8080)

http://<domain>/guessnachen

if successful:
  install ~~fires~~
  set up firewall:

sudo ufw default deny incoming
   "   "   "   allow outgoing
   "   "   allow   ssh
   "   "   allow   http
   "

sudo   ufw   enable

→ check port 8080
  blocked.

→ to update app:
    git pull repo
    - perform mvn tomcat 7:
      redeploy. again.