**Setup Linux server, mysql and https**

**Update server and install apache2**

sudo apt-get update

sudo apt-get install apache2

**Set Global ServerName to Suppress Syntax Warnings**

sudo apache2ctl configtest

Syntax OK

**Setup an domain to access the database.**

sudo chmod -R 755 /var/www

**Create Virtual Host File**

sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/html.conf

**Change ServerAdmin, ServerName and ServerAlias**

sudo nano /etc/apache2/sites-available/html.conf

ServerName ingakristin.com

ServerAlias www.ingakristin.com

ServerAdmin  admin@ingakristin.com

DocumentRoot /var/www/html

**Enable the New Virtual Host Files**

sudo a2ensite html.conf

To activate the new configuration, you need to run: service apache2 reload

service apache2 reload

**Setup mysql and phpmyadmin**

sudo apt-get update

sudo apt-get install phpmyadmin php-mbstring php-gettext

Then we need to enable mcrypt and mbstring

phpenmod mcrypt

phpenmod mbstring

Then we need to restart apache

systemctl restart apache2

**Allow remote connection to mysql-server**

sudo nano /etc/mysql/mysql.conf.d/mysqld.conf

Find bind-address = 127.0.0.1 and Change the address to wildcard 0.0.0.0 This should look like this: bind-address = 0.0.0.0

**Then restart mysql**

service mysql restart

**Then check if ip address is correct and is binding to correct port**

netstat -plutn | grep -i sql

**The output should look like this!**

tcp 0 0 0.0.0.0:3306 0.0.0.0:\* LISTEN 22228/mysqld

Step 1 — Install the Let's Encrypt Client  
  
sudo apt-get update  
sudo apt-get install python-letsencrypt-apache  
  
Step 2 — Set Up the SSL Certificate  
  
sudo letsencrypt --apache -d ingakristin.com -d [www.ingakristin.com](https://l.facebook.com/l.php?u=http%3A%2F%2Fwww.ingakristin.com%2F&h=ATP7YQObM9LQSg3huj31m2nudYYzTr6ojIX8wrzqB_V2dqvF9Dvz-vPOnpQDHz3MXYRLshaZFDh4neTXKBwPezrBK5vpn8_7hYJtBydi-Ku7DApkX5VrvN-Yiez9-leCKOZCD4HFmsU)