

OWNCLOUD

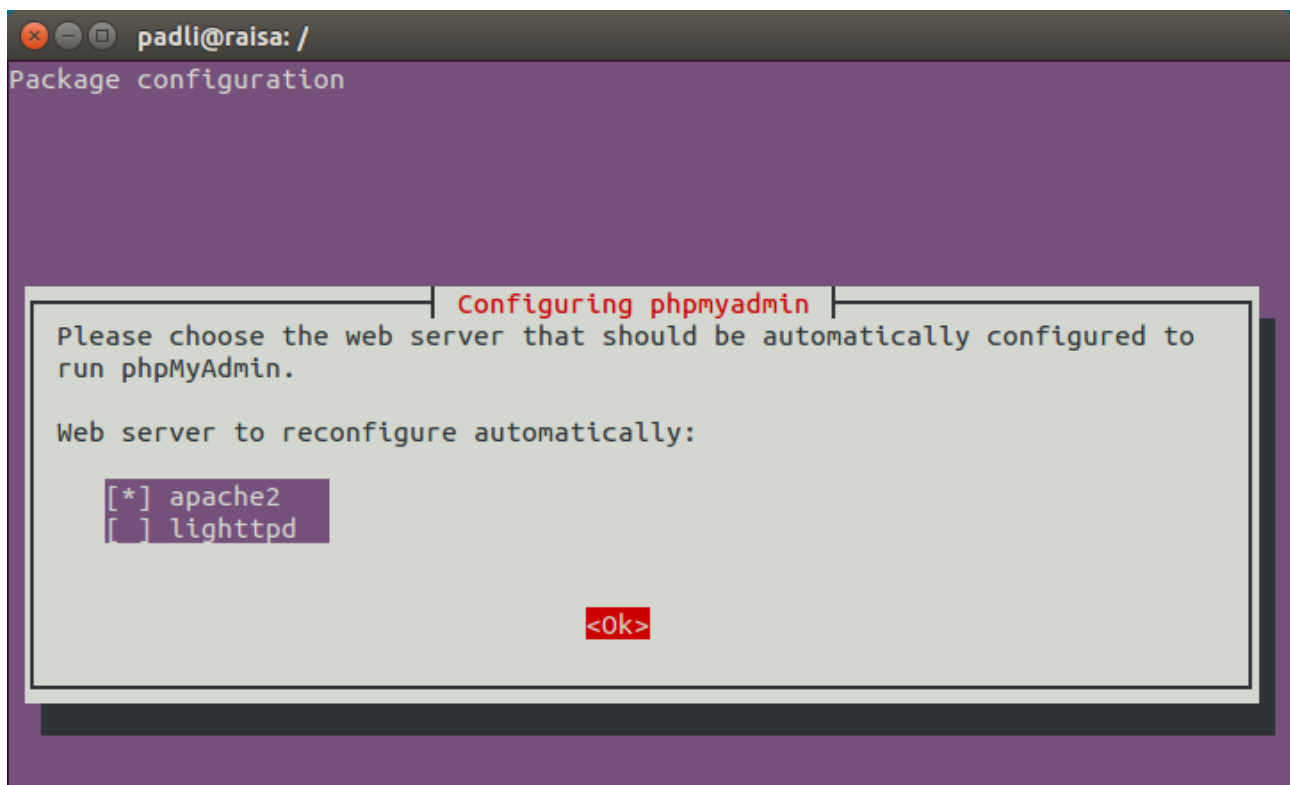
1. Install apache2, php5, mariadb-server5, & phpmyadmin.

```
padli@raisa: /  
padli@raisa:/$ sudo apt-get install apache2 php5 mariadb-server-5.5 phpmyadmin
```

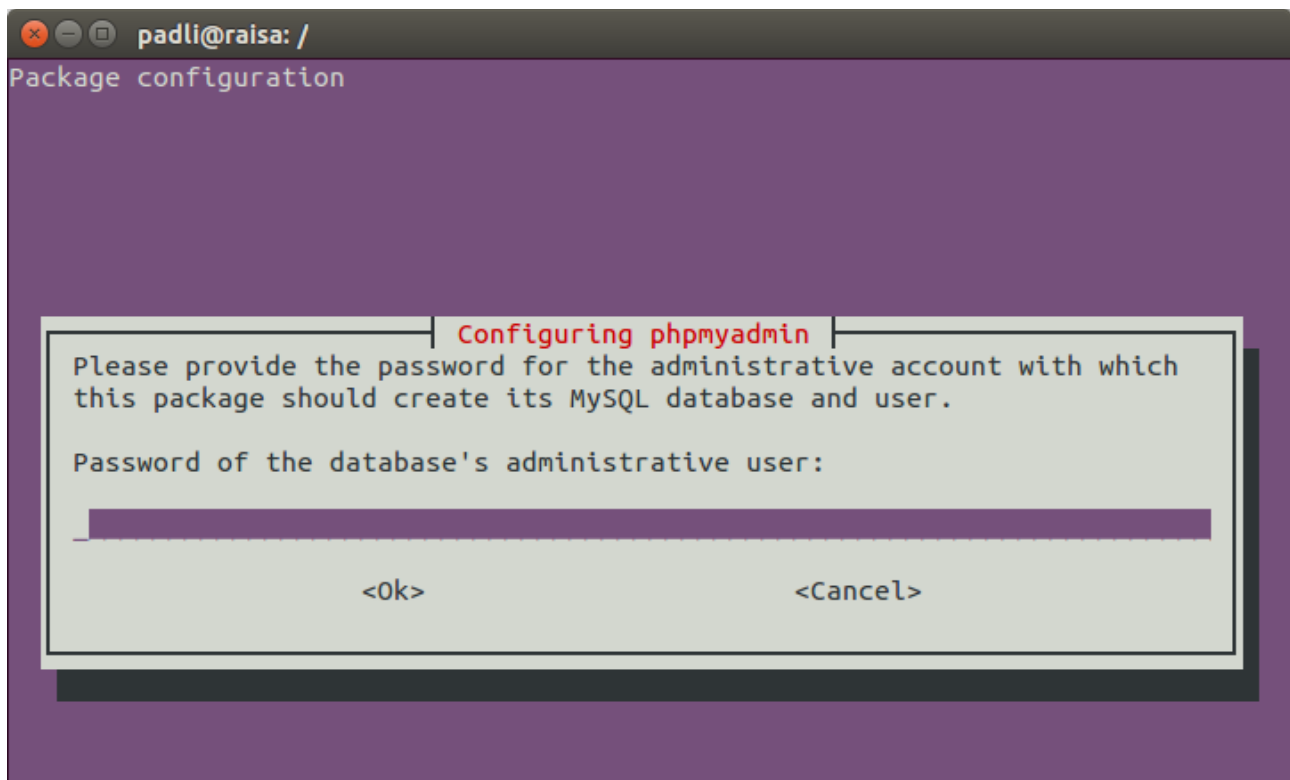
Set password mariadb-server.

```
padli@raisa: ~  
Package configuration  
  
Configuring mariadb-server-5.5  
While not mandatory, it is highly recommended that you set a password  
for the MariaDB administrative "root" user.  
  
If this field is left blank, the password will not be changed.  
  
New password for the MariaDB "root" user:  
_____  
  
<Ok>
```

Set apache2 konek ke phpmyadmin.



Set password phpmyadmin.



2. Config apache2 agar redirect http ke https.

Aktifkan module ssl & restart service apache2.

```
padli@raisa: ~  
padli@raisa:~$ sudo a2enmod ssl  
Considering dependency setenvif for ssl:  
Module setenvif already enabled  
Considering dependency mime for ssl:  
Module mime already enabled  
Considering dependency socache_shmcb for ssl:  
Enabling module socache_shmcb.  
Enabling module ssl.  
See /usr/share/doc/apache2/README.Debian.gz on how to configure SSL and create s  
elf-signed certificates.  
To activate the new configuration, you need to run:  
    service apache2 restart  
padli@raisa:~$ sudo service apache2 restart  
* Restarting web server apache2  
AH00558: apache2: Could not reliably determine the server's fully qualified doma  
in name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress th  
is message  
[ OK ]  
padli@raisa:~$
```

Buat dir ssl.

```
padli@raisa: /etc/apache2/ssl  
padli@raisa:~$ sudo mkdir /etc/apache2/ssl  
padli@raisa:~$ cd /etc/apache2/ssl/  
padli@raisa:/etc/apache2/ssl$
```

Buat ssl cert & ssl key.

```
padli@raisa: /etc/apache2/ssl
padli@raisa:/etc/apache2/ssl$ sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout /etc/apache2/ssl/apache.key -out /etc/apache2/ssl/apache.crt
Generating a 2048 bit RSA private key
.+++
.....+++
writing new private key to '/etc/apache2/ssl/apache.key'
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:id
State or Province Name (full name) [Some-State]:lampung
Locality Name (eg, city) []:natar
Organization Name (eg, company) [Internet Widgits Pty Ltd]:ljjg
Organizational Unit Name (eg, section) []:it
Common Name (e.g. server FQDN or YOUR name) []:padli
Email Address []:padli@raisa.web.id
padli@raisa:/etc/apache2/ssl$ ls
apache.crt  apache.key
padli@raisa:/etc/apache2/ssl$
```

Set "nano /etc/apache2/sites-available/default-ssl.conf" & config yg ada tanda (*).

```
padli@raisa: /etc/apache2/ssl
GNU nano 2.2.6 File: /etc/apache2/sites-available/default-ssl.conf Modified

<IfModule mod_ssl.c>
  <VirtualHost _default_:443>
    ServerAdmin admin@example.com*
    ServerName your_domain.com*
    ServerAlias www.your_domain.com*
    DocumentRoot /var/www*
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
    SSLEngine on
    SSLCertificateFile /etc/apache2/ssl/apache.crt*
    SSLCertificateKeyFile /etc/apache2/ssl/apache.key*
    <FilesMatch "\.(cgi|html|phtml|php)$">
      SSLOptions +StdEnvVars
    </FilesMatch>
    <Directory /usr/lib/cgi-bin>
      SSLOptions +StdEnvVars
    </Directory>
    BrowserMatch "MSIE [2-6]" \
      nokeepalive ssl-unclean-shutdown \
      downgrade-1.0 force-response-1.0
    BrowserMatch "MSIE [17-9]" ssl-unclean-shutdown
  </VirtualHost>
</IfModule>

^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text   ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is   ^V Next Page  ^U UnCut Text ^T To Spell
```

Aktifkan file "default-ssl.conf" & restart service apache2.

```
padli@raisa: /etc/apache2/ssl
padli@raisa:/etc/apache2/ssl$ sudo a2ensite default-ssl.conf
Enabling site default-ssl.
To activate the new configuration, you need to run:
  service apache2 reload
padli@raisa:/etc/apache2/ssl$ sudo service apache2 restart
* Restarting web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

[ OK ]
padli@raisa:/etc/apache2/ssl$
```

Set "nano /etc/apache2/sites-available/000-default.conf" & tambahkan tiga baris (*).

```
padli@raisa: /etc/apache2/ssl
GNU nano 2.2.6 File: /etc/apache2/sites-available/000-default.conf Modified

<VirtualHost *:80>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    #ServerName www.example.com

    RewriteEngine on
    RewriteCond %{SERVER_PORT} !^443$
    RewriteRule ^/(.*) https://%{HTTP_HOST}/$1 [NC,R,L]*

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

^G Get Help  ^O WriteOut  ^R Read File ^Y Prev Page ^K Cut Text   ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is  ^V Next Page ^U UnCut Text ^T To Spell
```

Aktifkan module rewrite & restart service apache2.

```
padli@raisa: /etc/apache2/ssl
padli@raisa:/etc/apache2/ssl$ sudo a2enmod rewrite
Enabling module rewrite.
To activate the new configuration, you need to run:
  service apache2 restart
padli@raisa:/etc/apache2/ssl$ sudo service apache2 restart
* Restarting web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain
name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this
message
[ OK ]
padli@raisa:/etc/apache2/ssl$
```

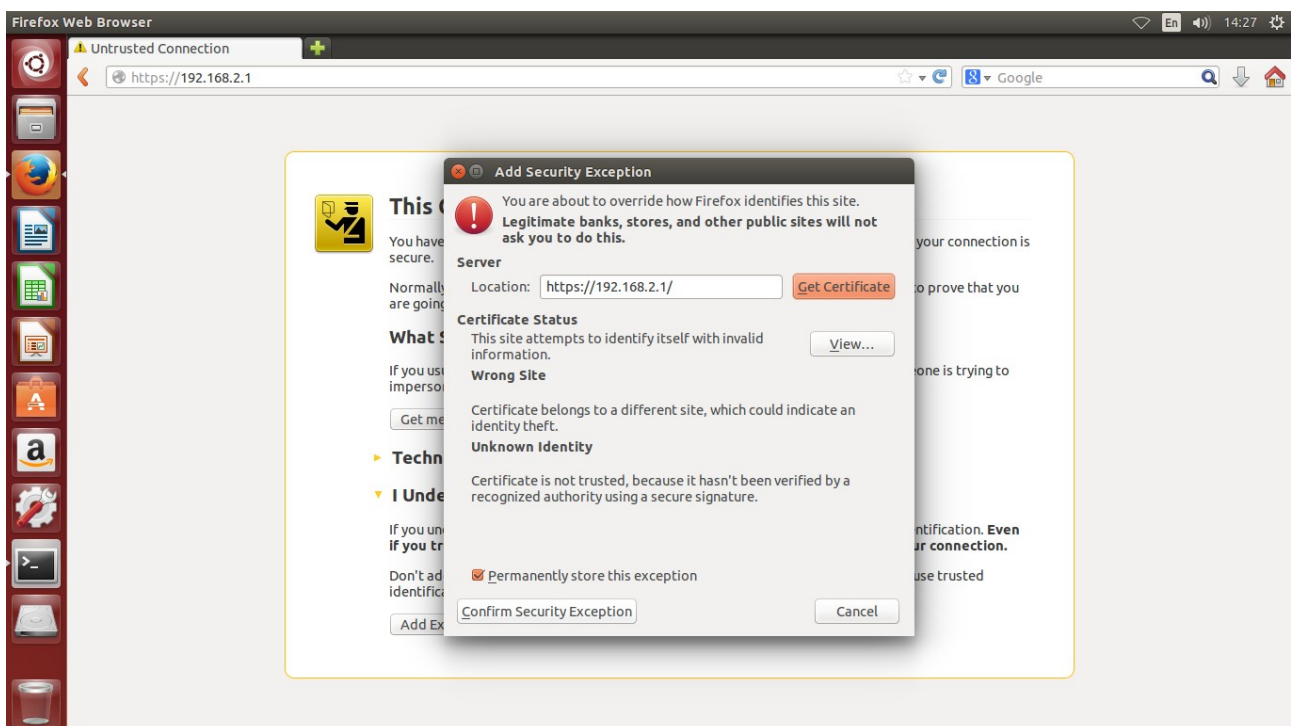
Delete default home dir html & buat file "nano /var/www/index.php".

```
padli@raisa: /var/www
padli@raisa:/var/www$ sudo rm -rf html/
padli@raisa:/var/www$ sudo nano index.php
padli@raisa:/var/www$
```

```
GNU nano 2.2.6      File: index.php      Modified

<?php
    phpinfo();
?>
```

Tes koneksi dari client.




phpinfo() - Mozilla Firefox

phpinfo()

https://192.168.2.1

You have added a security exception for this site.

PHP Version 5.5.9-1ubuntu4.9




System	Linux raissa 3.13.0-24-generic #46-Ubuntu SMP Thu Apr 10 19:11:08 UTC 2014 x86_64
Build Date	Apr 17 2015 11:41:17
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php5/apache2
Loaded Configuration File	/etc/php5/apache2/php.ini
Scan this dir for additional .ini files	/etc/php5/apache2/conf.d
Additional .ini files parsed	/etc/php5/apache2/conf.d/05-opcache.ini, /etc/php5/apache2/conf.d/10-pdo.ini, /etc/php5/apache2/conf.d/20-json.ini, /etc/php5/apache2/conf.d/20-readline.ini
PHP API	20121113
PHP Extension	20121212
Zend Extension	220121212
Zend Extension Build	API220121212.NTS
PHP Extension Build	API20121212.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled

phpMyAdmin - Mozilla Firefox

phpMyAdmin

https://192.168.2.1/phpmyadmin/



Welcome to phpMyAdmin

Language

English

Log in

Username:

Password:

Go

3. Download file owncloud di <https://www.owncloud.org> & unzip file.

```
padli@raisa: /var/www
padli@raisa:/var/www$ ls
index.php  owncloud-8.0.4.zip
padli@raisa:/var/www$ sudo rm index.php
padli@raisa:/var/www$ sudo unzip owncloud-8.0.4.zip
```

Hapus file .zip & ubah kepemilikan dir owncloud.

```
padli@raisa: /var/www
padli@raisa:/var/www$ ls -al
total 32812
drwxr-xr-x  3 root  root    4096 Jun 19 14:33 .
drwxr-xr-x 13 root  root    4096 Jun 19 14:02 ..
drwxr-xr-x 11 root  root    4096 Jun  4 09:44 owncloud
-rw-rw-r--  1 padli padli 33583427 Jun 19 14:31 owncloud-8.0.4.zip
padli@raisa:/var/www$ sudo rm -rf owncloud-8.0.4.zip
padli@raisa:/var/www$ sudo chown -R www-data:www-data owncloud/
padli@raisa:/var/www$ ls -al
total 12
drwxr-xr-x  3 root  root    4096 Jun 19 14:33 .
drwxr-xr-x 13 root  root    4096 Jun 19 14:02 ..
drwxr-xr-x 11 www-data www-data 4096 Jun  4 09:44 owncloud
padli@raisa:/var/www$
```

Set file default-ssl.conf & ubah DocumentRoot "/var/www/owncloud".

```
padli@raisa: /var/www
GNU nano 2.2.6 File: /etc/apache2/sites-available/default-ssl.conf Modified

<IfModule mod_ssl.c>
  <VirtualHost _default_:443>
    ServerAdmin admin@example.com
    ServerName your_domain.com
    ServerAlias www.your_domain.com
    DocumentRoot /var/www/owncloud*
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
    SSLEngine on
    SSLCertificateFile /etc/apache2/ssl/apache.crt
    SSLCertificateKeyFile /etc/apache2/ssl/apache.key
    <FilesMatch "\.(cgi|shtml|phtml|php)$">
      SSLOptions +StdEnvVars
    </FilesMatch>
    <Directory /usr/lib/cgi-bin>
      SSLOptions +StdEnvVars
    </Directory>
    BrowserMatch "MSIE [2-6]" \
      nokeepalive ssl-unclean-shutdown \
      downgrade-1.0 force-response-1.0
    BrowserMatch "MSIE [17-9]" ssl-unclean-shutdown
  </VirtualHost>
</IfModule>

^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text   ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is  ^V Next Page  ^U UnCut Text ^T To Spell
```

Restart service apache2.

```
padli@raisa: /var/www$ sudo service apache2 restart
* Restarting web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

[ OK ]

padli@raisa: /var/www$
```

4. Buat user & db untuk owncloud.

```
padli@raisa: /  
padli@raisa:/$ mysql -u root -p  
Enter password:  
Welcome to the MariaDB monitor.  Commands end with ; or \g.  
Your MariaDB connection id is 37  
Server version: 5.5.44-MariaDB-1ubuntu0.14.04.1 (Ubuntu)  
  
Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
MariaDB [(none)]> create database db_owncloud;  
Query OK, 1 row affected (0.00 sec)  
  
MariaDB [(none)]> create user owncloud;  
Query OK, 0 rows affected (0.01 sec)  
  
MariaDB [(none)]> set password for owncloud = password("root");  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [(none)]> grant all privileges on db_owncloud.* to 'owncloud'@'%' identi  
fied by 'root';  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [(none)]> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
  
MariaDB [(none)]> 
```

Tes user.

```
padli@raisa: /
padli@raisa:/$ mysql -u owncloud -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 38
Server version: 5.5.44-MariaDB-1ubuntu0.14.04.1 (Ubuntu)

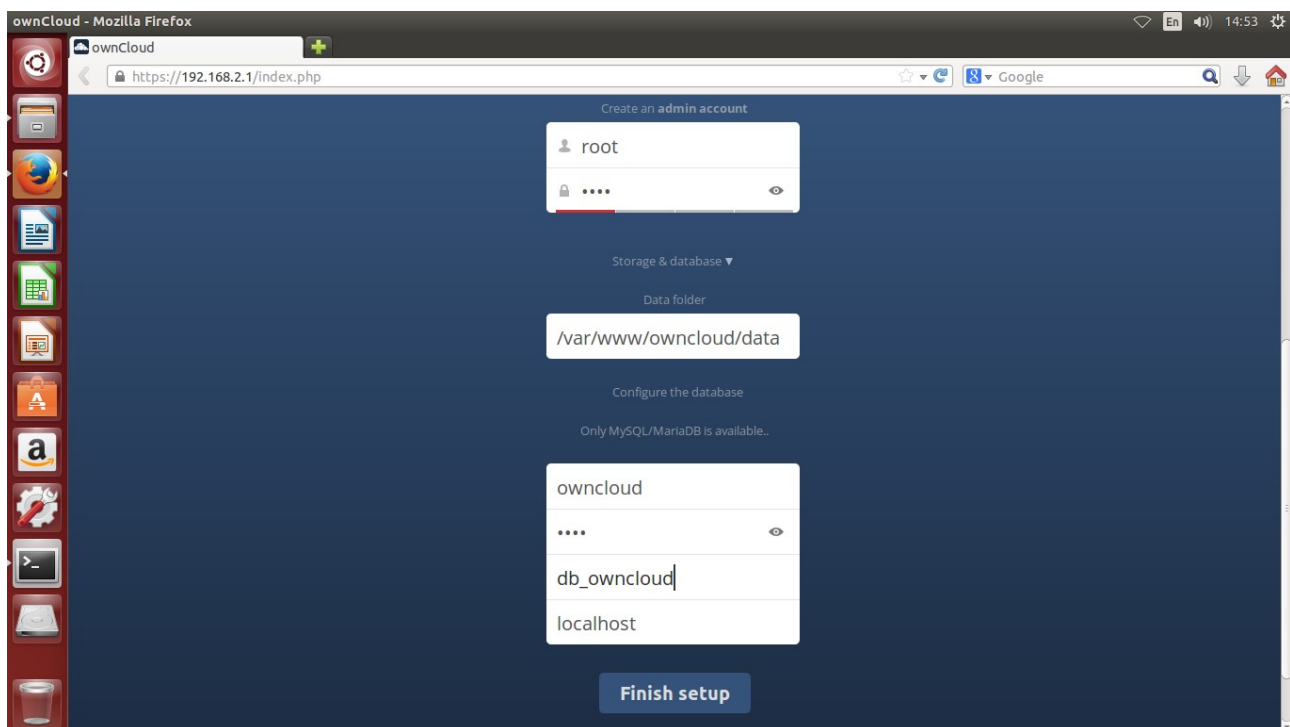
Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.

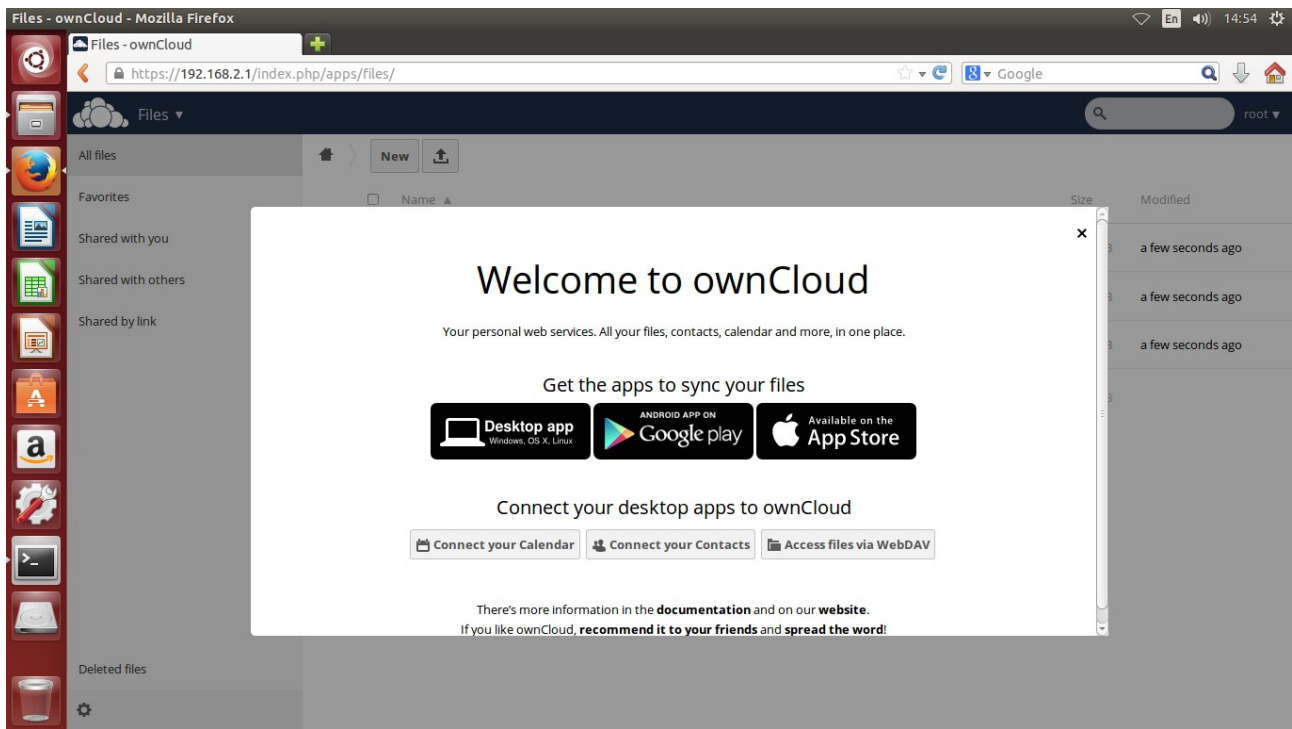
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| db_owncloud |
+-----+
2 rows in set (0.00 sec)

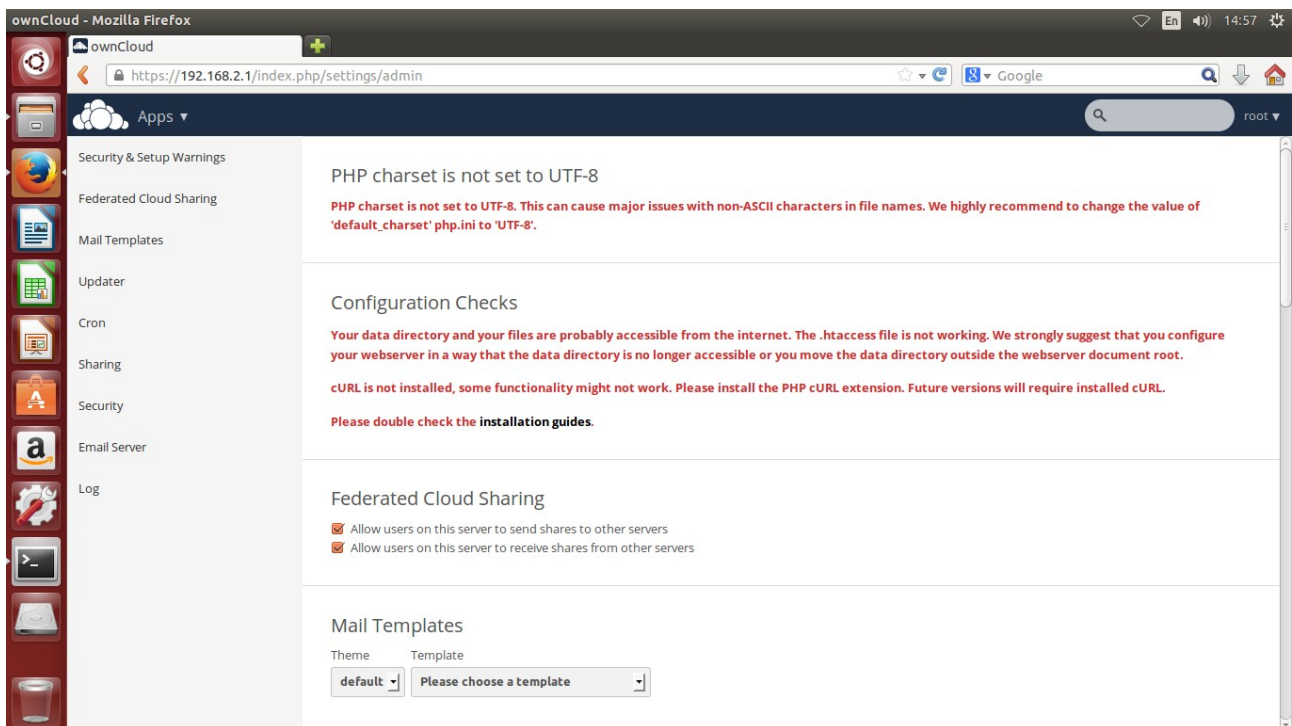
MariaDB [(none)]> 
```

5. Buka browser & set owncloud.





Jika terdapat peringatan seperti ini pada menu admin.



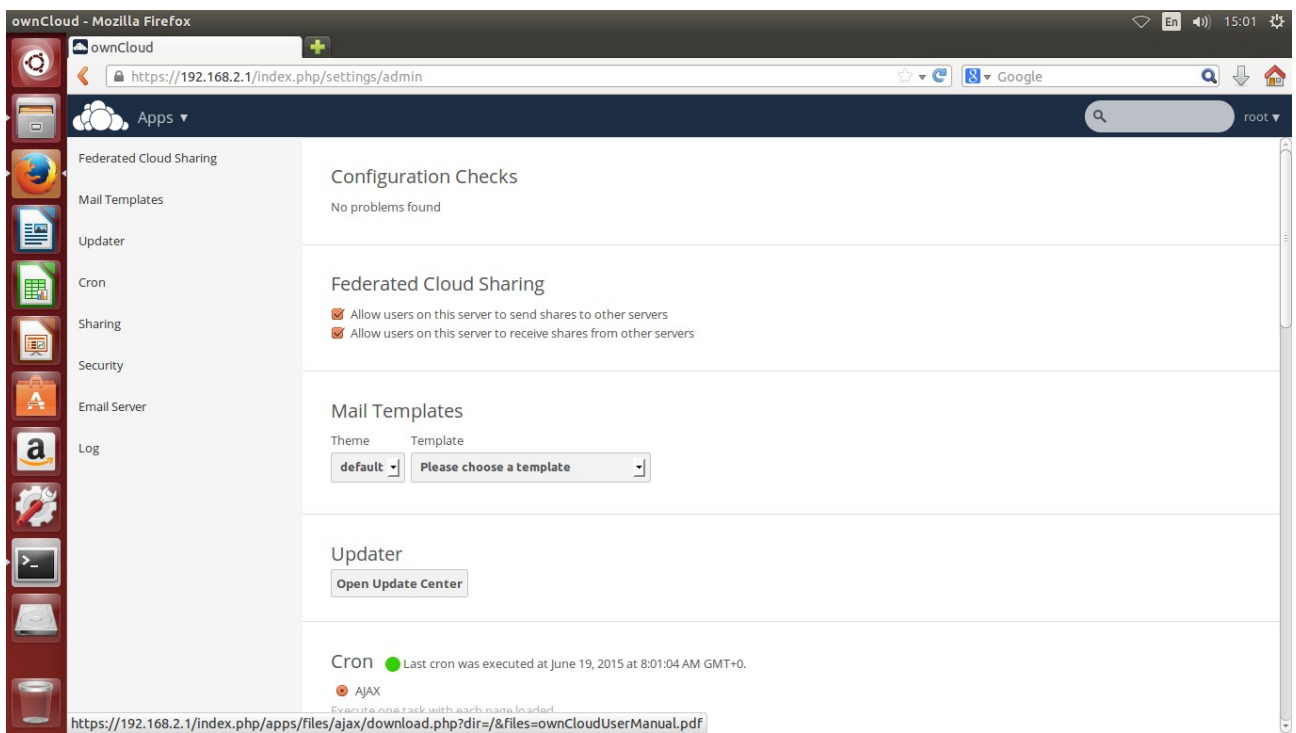
Set php.ini & uncomment baris ini.

```
padli@raisa: ~  
GNU nano 2.2.6      File: /etc/php5/apache2/php.ini      Modified  
  
; set it to be empty.  
;  
; PHP's built-in default is text/html  
; http://php.net/default-mimetype  
default_mimetype = "text/html"  
  
; PHP's default character set is set to empty.  
; http://php.net/default-charset  
default_charset = "UTF-8"  
  
; Always populate the $HTTP_RAW_POST_DATA variable. PHP's default behavior is  
; to disable this feature. If post reading is disabled through  
; enable_post_data_reading, $HTTP_RAW_POST_DATA is *NOT* populated.  
; http://php.net/always-populate-raw-post-data  
;always_populate_raw_post_data = On  
  
^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text   ^C Cur Pos  
^X Exit      ^J Justify   ^W Where Is   ^V Next Page  ^U UnCut Text ^T To Spell
```

Install php5-curl & restart server owncloud.

```
padli@raisa: ~  
padli@raisa:~$ sudo apt-get install php5-curl
```

Cek kembali menu admin.



Dok 22/06/2015 padliyulian@ymail.com