

OwnCloud 9.1.7



Setup Guide V 1.0

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CODE
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About

Owncloud is a software which you can use to configure your own private cloud. Enclosed with its rich features gives you a great experience of using a private cloud. You can configure it your own way. It has easy and user friendly GUI which makes it easy to configure the software further. It also comes with a VM appliance which can be installed under your existing hypervisor and start using right away.

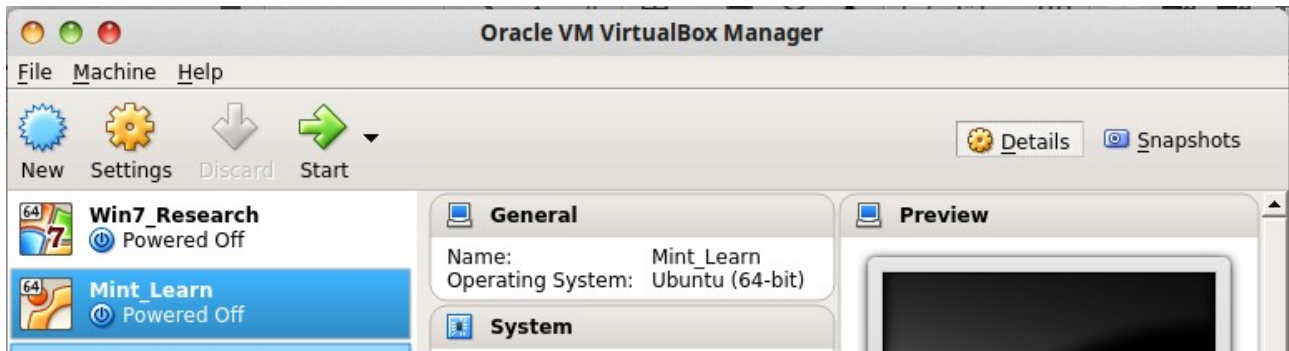
VM Configuration used in this guide

Guest OS :	Linux Mint 17.3 Cinnamon 64bit	username : enigma password : !@root123 [MySQL] user : root password : root123
VirtualBox :	5.1.30	
RAM :	4GB/6GB	
OpenFiler :	2.99.1	
VDI Space / Storage :	30GB	

Installation

Note : Apache, PHP and MySQL must be installed on the system.

Step 1 : Launch the VM and follow the steps ahead.



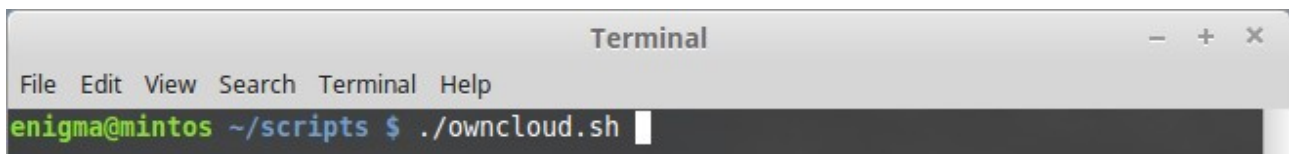
Step 2 :

Go to path : `/home/enigma/scripts`
(Make the necessary changes in file permissions)

Initially it will start download of the owncloud zip file.
Uncomment the below line in **owncloud.sh** if not already.

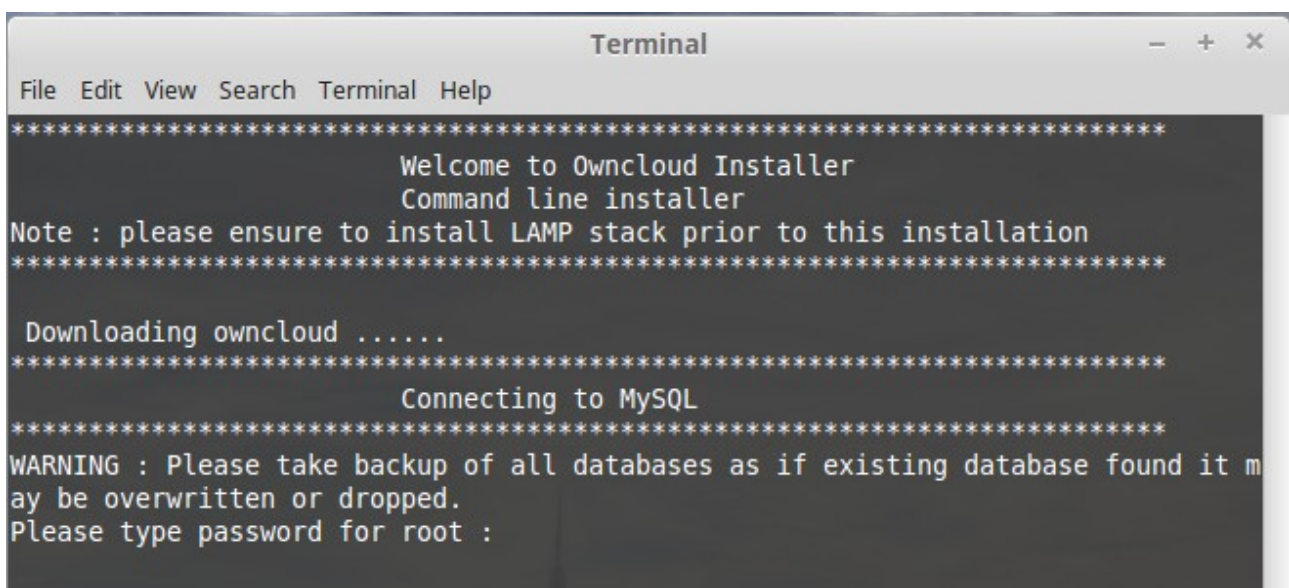
wget https://download.owncloud.org/community/owncloud-9.1.7.zip

Run the script : **owncloud.sh**

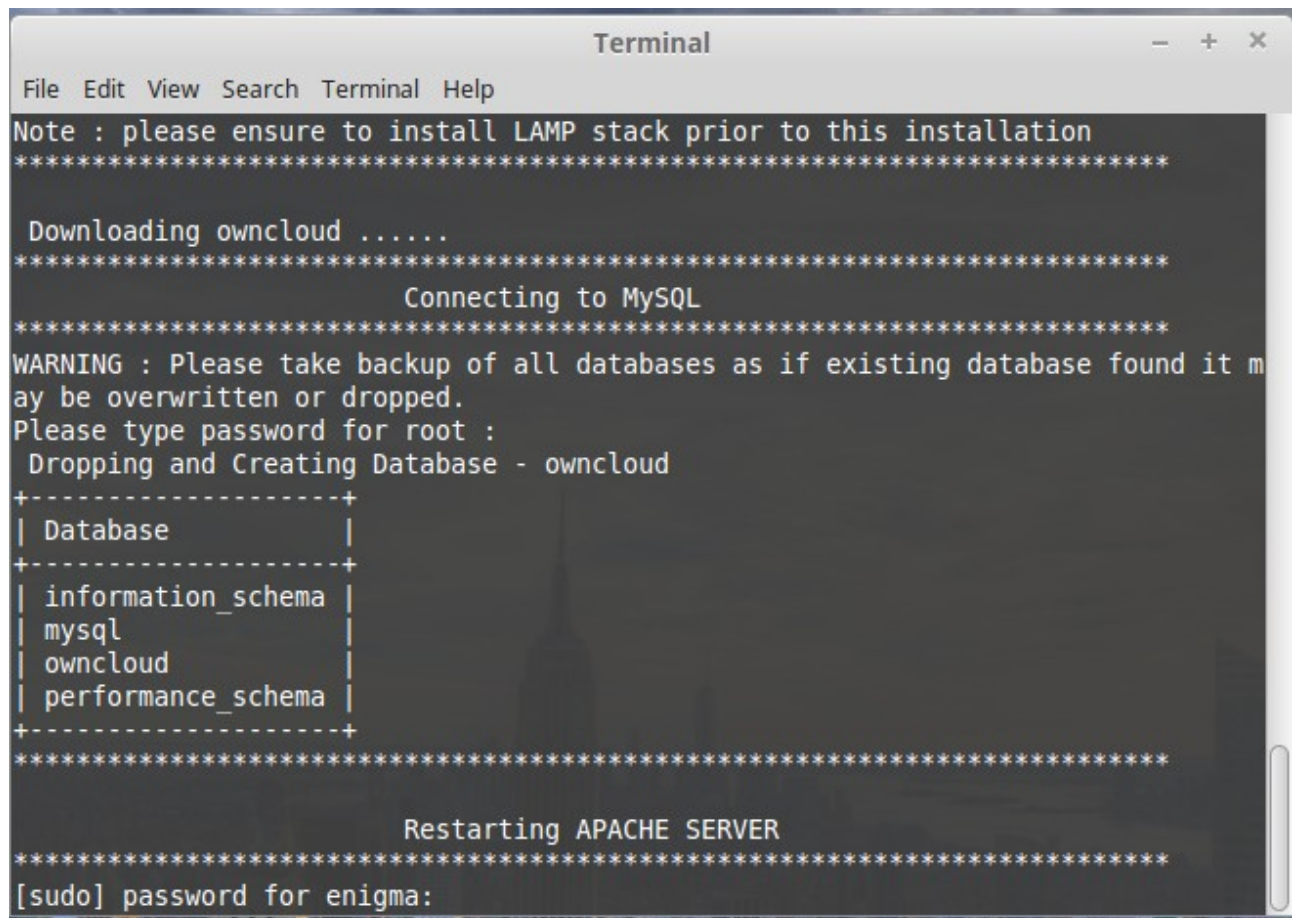


Step 3 :

Here you need to provide the root password for MySQL database.
In this case the root password is : **root123**



Step 4 : The installer will create a database – **owncloud**. It will also restart **Apache server and MySQL server**.



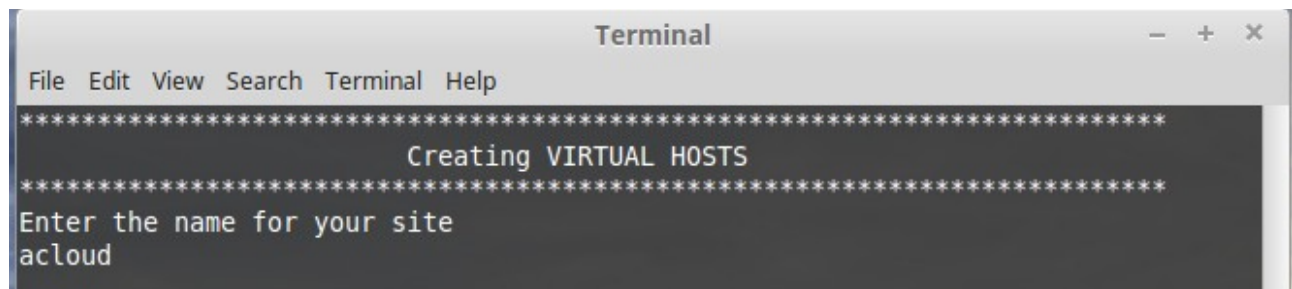
```
Terminal
File Edit View Search Terminal Help
Note : please ensure to install LAMP stack prior to this installation
*****

Downloading owncloud .....
*****

Connecting to MySQL
*****
WARNING : Please take backup of all databases as if existing database found it m
ay be overwritten or dropped.
Please type password for root :
Dropping and Creating Database - owncloud
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| owncloud |
| performance_schema |
+-----+
*****

Restarting APACHE SERVER
*****
[sudo] password for enigma:
```

Step 5 : Enter the name for your site



```
Terminal
File Edit View Search Terminal Help
*****

Creating VIRTUAL HOSTS
*****
Enter the name for your site
acloud
```

Step 6 :

The installer will create a .conf file for your site and automatically will get open in default text editor for editing. Here you need to make the following changes in the .conf file.

DocumentRoot /var/www/html/owncloud

[**owncloud** – is the directory got created after extracting the zip file. The installer will initiate the installation from this directory. This directory will be the root path for your website.]

Servername acloud.com

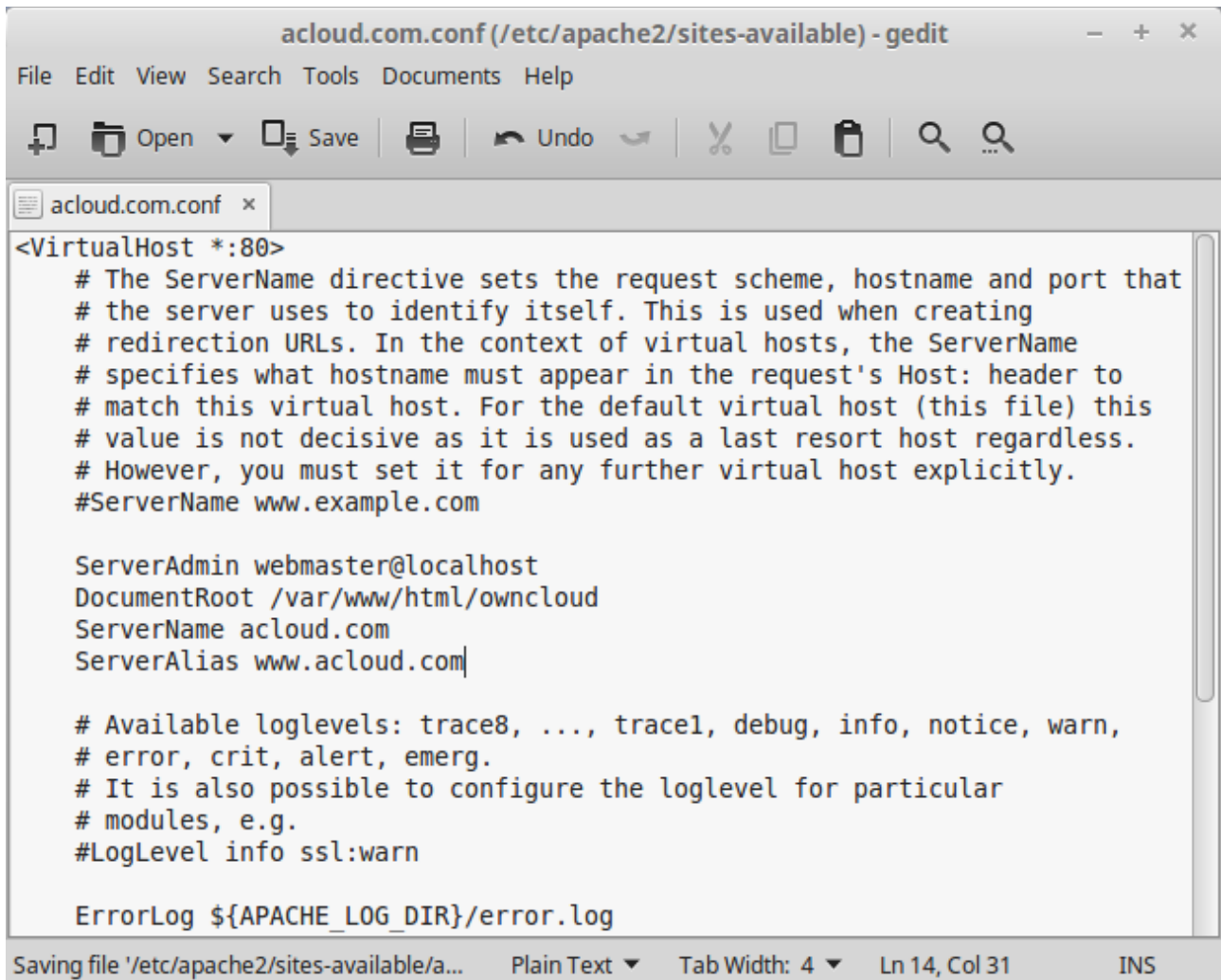
ServerAlias www.acloud.com

[**ServerName**: If the host part of the HTTP request matches this name, then allow the request. Normally this would be a domain name that maps to an IP, but in this case the HTTP request host must match this IP.]

[**ServerAlias**: Alternate names for a host used when matching requests to name-virtual hosts]

[For more info visit : <http://httpd.apache.org/docs/2.0/mod/core.html#serveralias>]

After making the changes, save the file and close the installer will move ahead.



```
<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

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html/owncloud
ServerName acloud.com
ServerAlias www.acloud.com

# 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
```

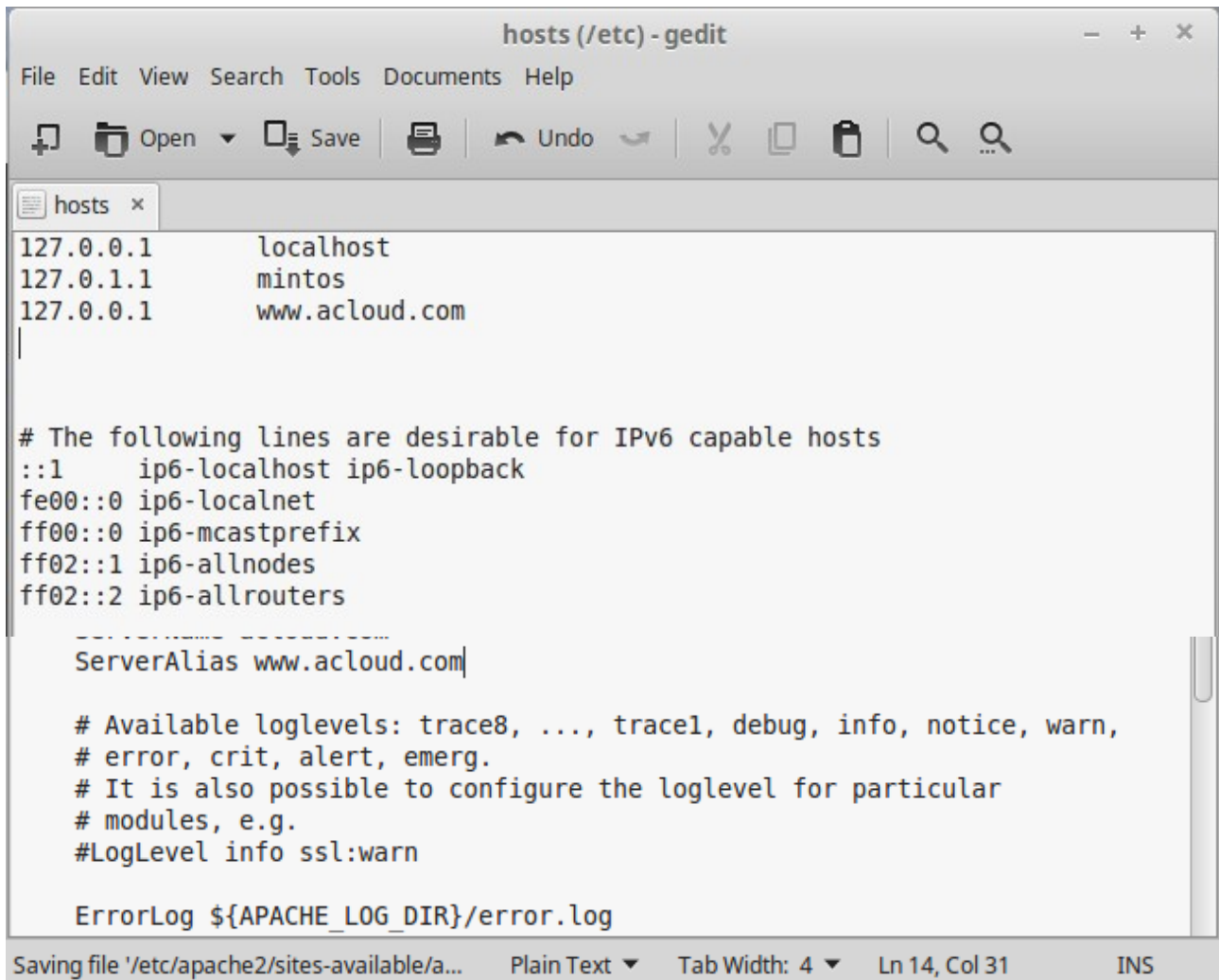
Step 7:

Add a host entry for your website.

127.0.0.1 www.acloud.com

[You may replace the IP Address instead of 127.0.0.1 if you have any other IP address]

Save the file and close.



```
hosts (/etc) - gedit
File Edit View Search Tools Documents Help
Open Save Undo
hosts x
127.0.0.1 localhost
127.0.1.1 mintos
127.0.0.1 www.acloud.com

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

ServerAlias www.acloud.com

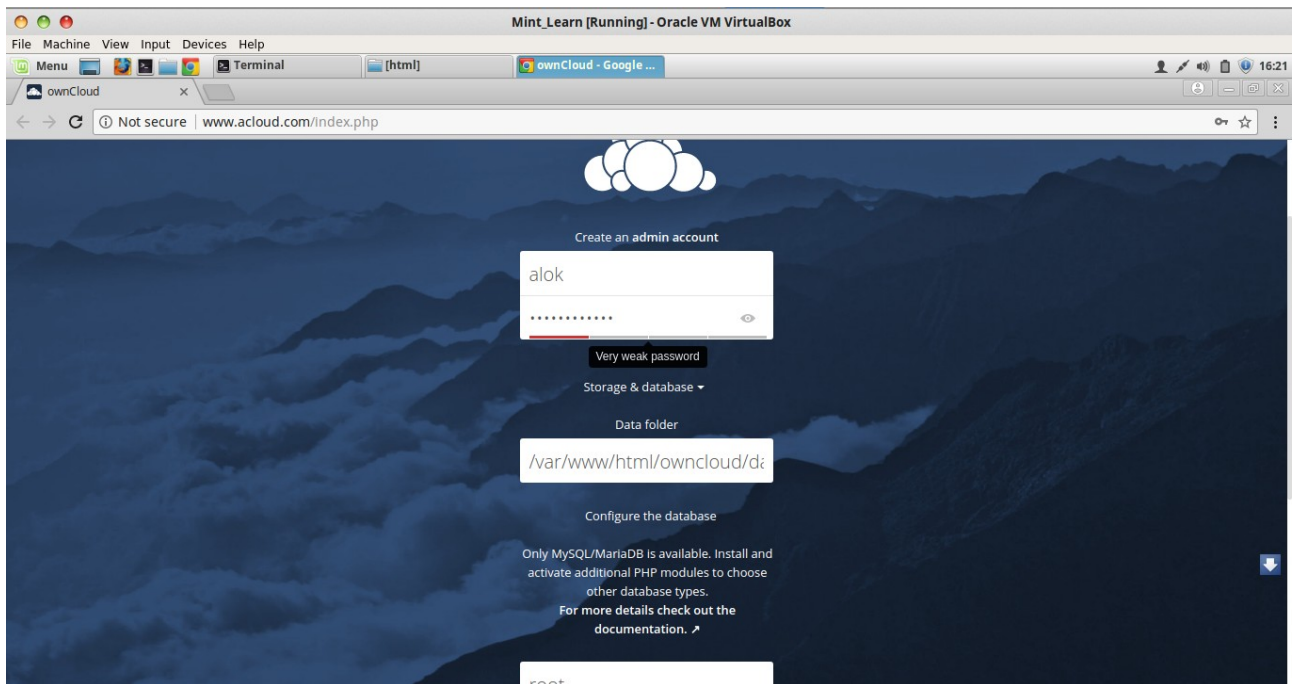
# Available loglevels: trace8, ..., tracel, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn

ErrorLog ${APACHE_LOG_DIR}/error.log

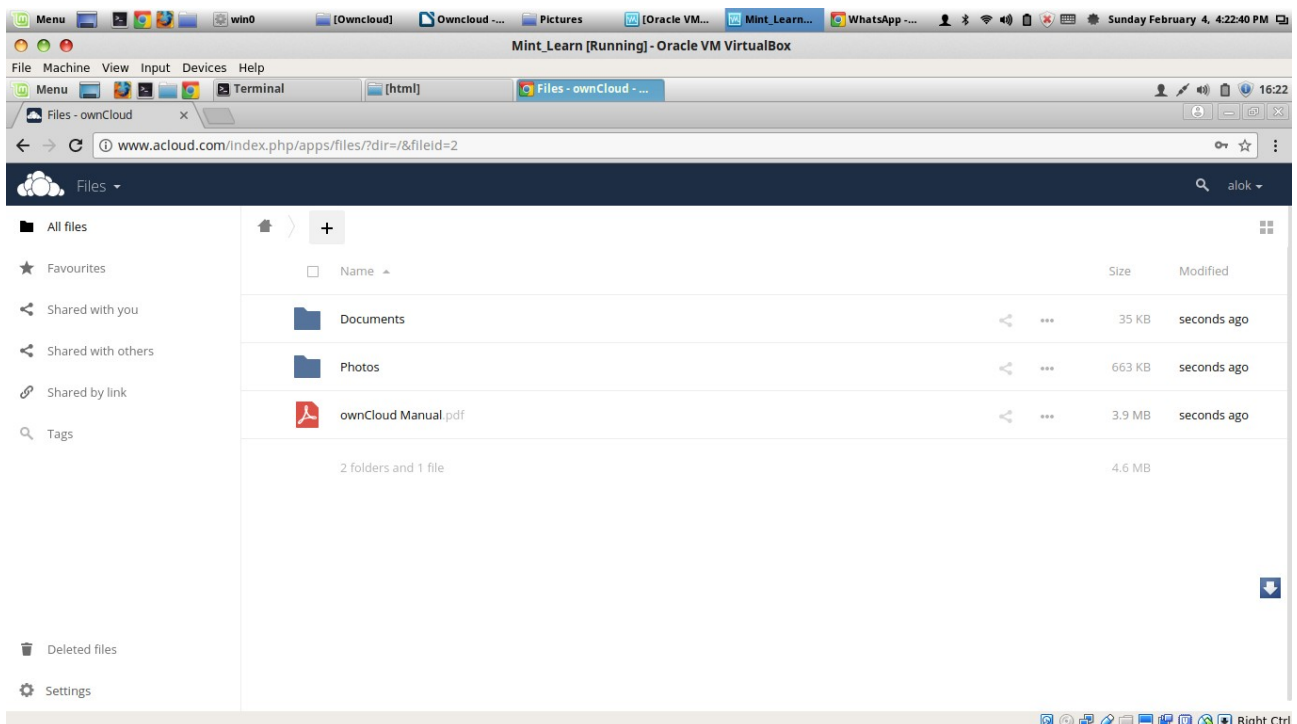
Saving file '/etc/apache2/sites-available/a... Plain Text Tab Width: 4 Ln 14, Col 31 INS
```


Step 8 :

If no errors, the installer will automatically launch the owncloud in google chrome. Provide the necessary details and click on Finish.



Step 9 : Congrats...!! You have successfully set-up your personal cloud storage.



Script :

```
#####  
#####  
##### Script Created By : Alok Chilka  
#####  
##### www.codesocial.net  
#####  
##### info@codesocial.net  
#####  
#####  
#####
```

```
#!/bin/bash  
clear
```

```
echo  
"*****";  
echo -e "\t\t Welcome to Owncloud Installer";  
echo -e "\t\t Command line installer";  
echo "Note : please ensure to install LAMP stack prior to this installation";  
echo  
"*****";
```

```
echo -e "\n Downloading owncloud .....";  
###wget https://download.owncloud.org/community/owncloud-9.1.7.zip
```

```
### This part will connect
```

```
echo  
"*****";  
echo -e "\t\t Connecting to MySQL";  
echo  
"*****";  
echo "WARNING : Please take backup of all databases as if existing database  
found it may be overwritten or dropped.";
```

```
read -s -p "Please type password for root : " var1
```

```
while ! mysql -u root -p$var1 -e ";" ;do  
    read -s -p "Can't Connect, please retry : " var1  
done
```

```
MYSQL_ROOT="root";  
MYSQL_PASS=$var1;
```

```
echo -e "\n Dropping and Creating Database - owncloud";
mysql --user="$MYSQL_ROOT" --password="$MYSQL_PASS" -e "drop database if
exists owncloud"
mysql --user="$MYSQL_ROOT" --password="$MYSQL_PASS" -e "create database
owncloud"
mysql --user="$MYSQL_ROOT" --password="$MYSQL_PASS" -e "grant all privileges
on owncloud.* to 'root@localhost' identified by 'root123'"
mysql --user="$MYSQL_ROOT" --password="$MYSQL_PASS" -e "flush privileges"
mysql --user="$MYSQL_ROOT" --password="$MYSQL_PASS" -e "show databases"
```

```
echo
"*****";
echo -e "\n\t\t Restarting APACHE SERVER";
echo
"*****";
sudo service apache2 restart
```

```
echo
"*****";
echo -e "\n\t\t Restarting MYSQL SERVER";
echo
"*****";
sudo service mysql restart
```

```
clear
```

```
echo
"*****";
echo -e "\t\t Creating VIRTUAL HOSTS";
echo
"*****";
```

```
echo "Enter the name for your site";
read var2;
t1='www.'
t2=$var2
t3='.conf'
t4='.com'
```

```
site=$t2$t4$t3
site2=$t2$t4
```

```
echo $site2  
echo $site
```

```
echo -e "\n";
```

```
sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-  
available/$site
```

```
echo -e "\n 1) Edit the file as follows."  
echo -e "\n 2) Look for DocumentRoot /var/www/html/ and change it to  
DocumentRoot /var/www/html/<your_site_name> i.e. if your site name is  
'example' then change it as 'DocumentRoot /var/www/html/example'"
```

```
echo -e "\n 3) Below 'Document Root' add \n\n ServerName example.com \n  
ServerAlias www.example.com \n\n Replace your site name with 'example' \n Save  
and Exit"
```

```
sudo gedit /etc/apache2/sites-available/$site
```

```
sudo a2ensite $site2
```

```
echo -e "\n";
```

```
echo -e "\n Add the host entry for your site in /etc/hosts file \n Fr. ex. 127.0.0.1  
example.com \n You can replace your IP ADDRESS with LOCALHOST IP"
```

```
sudo gedit /etc/hosts
```

```
echo -e "\n";
```

```
cd /var/www/html
```

```
sudo mkdir $var2
```

```
sudo cp /home/enigma/scripts/owncloud-9.1.7.zip /var/www/html/
```

```
cd /var/www/html/
```

```
ls -al
```

```
sudo unzip owncloud-9.1.7.zip
```

```
ls -al
```

```
sudo chown www-data:www-data -R /var/www/html/owncloud
```

```
ls -al
```

```
sudo service apache2 reload
```

```
site3=$t1$t2$t4
```

```
echo
```

```
"*****  
*****";
```

```
echo -e "n\t\t Launching OWNCLOUD";
```

```
echo
```

```
"*****  
*****";
```

```
google-chrome $site3
```