

LINODE VIRTUAL HOST

Create a new virtual-host for domain

<https://www.linode.com/docs/guides/hosting-a-website-ubuntu-18-04/>

- Create a virtual-host conf file for the new domain

```
sudo nano /etc/apache2/sites-available/newmedialite.com.conf
```

Paste in the virtual file below with changes.

-Create the web directories

```
sudo mkdir -p /var/www/html/newmedialite.com/{public_html,logs}
```

- Change owner and group to user in public_html

```
****NO****sudo chown -R www-data:www-data /var/www/html/newmedialite.com/public_html
```

```
----> sudo chown -R $USER:$USER /var/www/html/newmedialite.com/public_html
```

- Change permissions for public_html

```
sudo chmod -R 755 /var/www/html/newmedialite.com/public_html
```

- Check if it is "log" or "logs". Should be "logs". Do this:

```
cd to /var/www/html/newmedialite.com
```

```
sudo mv log logs
```

- Test apache config:

```
sudo apachectl configtest
```

- Link virtual host file from the sites-available directory to the sites-enabled directory:

```
sudo a2ensite newmedialite.com.conf
```

- Reload apache:

```
sudo systemctl reload apache2
```

(FIRST TIME ON SERVER)

-If you want to later configure some rules in .htaccess, you will most likely need to enable mod_rewrite.

```
sudo a2enmod rewrite
```

Restart apache

```
sudo systemctl restart apache2
```

MYSQL DATABASE

- Log into MYSQL

```
sudo mysql -u root -p (t7+77sql or system "sudo" t7+88)
```

- Create DATABASE and user/pass

```
CREATE USER 'radio_user2'@'localhost' IDENTIFIED BY 'tek7iah77radio';
```

```
GRANT ALL PRIVILEGES ON *.* to 'radio_user2'@'localhost';
```

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---- OR

Use phpMyAdmin on new server to create database.
Use phpMyAdmin on old server to dump the database.
Use phpMyAdmin to upload data.sql IF under 2 MB. If over:

Upload .sql dump to public_html of new domain
cd to that domain
mysql -u radio_user -ptek7iah77radio database_db < xxxxx.sql

===== phyMyAdmin =====

<https://www.linode.com/docs/guides/install-mysql-phpmyadmin-on-ubuntu-12-04/>

CD TO public_html and create link:

```
cd /var/www/html/newmedialite.com/public_html  
sudo ln -s /usr/share/phpmyadmin
```

===== COPY STUFF FROM PAIR =====

- Run this from Pair (source) as this is a 'push' to target server

```
rsync -avrzh mcare anc1@192.53.126.91:/var/www/html/newmedialite.com/public_html
```

or --- all files to root dir:

```
rsync -avzh *.* anc1@192.53.126.91:/var/www/html/newmedialite.com/public_html
```

or just one file:

```
scp alice-1971.jpg anc1@192.53.126.91:/var/www/html/radioqsl.com/public_html
```

for dir:

```
scp -rpv cantonpix anc1@192.53.126.91:/var/www/html/radioqsl.com/public_html
```

-Change wp-config database parms.

- Perhaps change wpX owner and permissions:

```
sudo chown -R $USER:www-data /var/www/html/newmedialite.com/public_html/web1
```

```
cd /var/www/html/newmedialite.com/public_html/wp3  
sudo chmod -R 775 /var/www/html/newmedialite.com/public_html/web1
```

Disable xmlrpc.php - prevent remote hacking

-Block WordPress xmlrpc.php requests

<Files xmlrpc.php>

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```
order deny,allow
deny from all
allow from xxx.xxx.xxx.xxx
</Files>
```

CERTBOT MAKE SURE DNS IS SET FOR 'A' RECORD

--> see <https://certbot.eff.org/lets-encrypt/ubuntufocal-apache>

OLD: sudo certbot
Accept redirect.

Certbot MAY corrupt the Apache virtual-host in /etc/apache2/sites-available file.

Try this:

sudo a2enmod rewrite

Followed by a restart

sudo systemctl restart apache2

If still not working take out:

```
RewriteEngine on
RewriteCond %{SERVER_NAME} =radioqsl.com [OR]
RewriteCond %{SERVER_NAME} =www.radioqsl.com
RewriteRule ^ https://%{SERVER_NAME}%{REQUEST_URI} [END,NE,R=permanent]
```

MISC

About permissions: <https://devanswers.co/configure-sftp-web-server-document-root/>

Important passwordss:

MySQL - root - t7+77sql
radio_user and radio_user2 - t7+77radio

ancnet1 - t7+77net-

Linode server "saturn" user/IP: ssh anc1@192.53.126.91
user: anc1, t7+88
root: t7+99

mailbox: ac77/js77@mailanc2.net

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RSYNC Transfer

Send to rysnc.com from server:

```
rsync -avrzh webster vid2.html 4054@usw-s004.rsync.net:web-backup-newmediacreate
```

Crontab

To run files as root use: `sudo nano /etc/crontab`

For cron jobs on ancnet1, they run an hour later than here on MTN time.

-END

THIS IS THE VIRTUAL-HOST FILE... JUST CHANGE THE DOMAIN NAME AND PASTE INTO NANO

```
# domain: newmedialite.com
# public: /var/www/html/newmedialite.com/public_html/

<VirtualHost *:80>
    # Admin email, Server Name (domain name), and any aliases
    ServerAdmin webmaster@newmedialite.com
    ServerName newmedialite.com
    ServerAlias www.newmedialite.com

    # Index file and Document Root (where the public files are located)
    DirectoryIndex index.html index.php
    DocumentRoot /var/www/html/newmedialite.com/public_html

    # Log file locations
    LogLevel warn
    ErrorLog /var/www/html/newmedialite.com/logs/error.log
    CustomLog /var/www/html/newmedialite.com/logs/access.log combined
</VirtualHost>

<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride All
    Require all granted
</Directory>

# END OF FILE
```