

Changing MAIN Server VM3/COP/26.00

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Currently quickest way to recreate the server is to use Clones spy, and clone the vmserver 10 Image (As Stored on the external backup sticks) to a new Drive and put into almost any modern PC,
then update the data.

Manual step below worked as of Oct 24,
using 24.04 Ubuntu,

```
sudo apt update
sudo apt upgrade
sudo add-apt-repository ppa:ondrej/php
sudo apt install php5.6
sudo apt install apache2 libapache2-mod-php5.6 -y
sudo ufw allow 80/tcp
sudo ufw allow 443/tcp
sudo apt-get install mysql-server
sudo mysql_secure_installation
sudo mysql
exit
```

```
apt-get install php5.6-gd php5.6-mysql php5.6-imap php5.6-curl php5.6-intl php5.6-pspell
php5.6-recode php5.6-sqlite3 php5.6-tidy php5.6-xmlrpc php5.6-xsl php5.6-zip php5.6-
mbstring php5.6-soap php5.6-openssl libicu65 php5.6-common php5.6-json php5.6-readline
php5.6-xml
sudo apt-get install php5.6-gd
sudo apt install net-tools
```

```
sudo apt-get install software-properties-common
sudo add-apt-repository universe
sudo add-apt-repository ppa:certbot/certbot
sudo apt-get update
sudo apt install certbot python3-certbot-apache
sudo apt install ntpdate
```

```
sudo mkdir /var/www/vmserver10
sudo chown -R $USER:$USER /var/www/vmserver10
sudo chmod -R 755 /var/www/vmserver10
```

```
sudo nano /var/www/vmserver10/index.html
type in
hello world,
Ctrl O to save
```

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Ctrl X to Exit

```
sudo nano /var/www/vmserver10/server.php
type in
<?php
phpinfo();
?>
```

Ctrl O to save

Ctrl X to Exit

```
sudo nano /etc/apache2/sites-available/vmserver10.thevault.me.uk.conf
sudo a2ensite vmserver10.thevault.me.uk.conf
sudo a2dissite 000-default.conf
sudo systemctl restart apache2
```

```
open route port 80 to the vmserver10
open route port 443 to the vmserver10
sudo certbot --apache
```

```
test http://vmserver10.thevault.me.uk
```

```
sudo nano /etc/mysql/my.cnf
```

Add to end of file

```
[mysqld]
default-authentication-plugin=mysql_native_password
sql_mode=NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO
,NO_ENGINE_SUBSTITUTION
```

Create users and database in mysql

```
sudo mysql
```

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 10

Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

```
mysql> create DATABASE viamed;  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> CREATE USER 'viamed'@'localhost' IDENTIFIED WITH 'mysql_native_password'  
BY 'ish5168ooxiz';  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> GRANT ALL PRIVILEGES ON viamed.* TO 'viamed'@'localhost';  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> FLUSH PRIVILEGES;  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql>
```

```
[global]  
sql_mode=NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO  
,NO_ENGINE_SUBS>
```

Setup the Symlinks

```
mkdir -p /home/network/intrastats/intranet/databases/iso_documents/micro_nails  
mkdir -p /home/network/intrastats/intranet/databases/banking  
mkdir -p /home/network/intrastats/intranet/databases/shopify  
mkdir -p /home/network/intrastats/intranet/databases/iso_documents/micro_nails  
cd /home/network  
sudo chown -R www-data:www-data intrastats
```

```
*Add user to www-data group  
sudo usermod -a -G www-data derek
```

```
touch /home/network/intrastats/intranet/databases/iso_documents/micro_nails/init
```

```
ln -s /home/network/intrastats/intranet/databases/iso_documents/files  
/var/www/vmserver10/intranet/databases/iso_documents/files
```

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```
ln -s /home/network/intrastats/intranet/databases/iso_documents/micro_nails  
/var/www/vmserver10/intranet/databases/iso_documents/micro_nails  
ln -s /home/network/intrastats_docs /home/network_extended/network/driveu/operadocs  
ln -s /home/network/intrastats_docs /var/www/vmserver10/intranet/operadocs
```

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Active MYSQL Server
Added users DEREK with password 51685168
Enable Access from all ip's

Find php.ini and Set:

Safe mode off
Max upload size to 80mb
Max Time out to 2 minutes

Import MYSQL Administrator Backup to server.
Install Intrastats and Check main pages function as expected and Data is Current.
Install /etc/viamed.scripts folder to new system.

Find samba.ini

Copy Backup samba.ini from VMSERVER1 Backup

browse to VMSERVER5 from Windows PC (//vmserver5)
Should be able to view all shared folders (note no access yet)

back on VMSERVER5

open Console
cd /
cd mnt
mkdir network

mount //195.164.0.3/network /mnt/network/
cp -ur /mnt/ /home/
Will take 3-4 Hours to finish this Step!

Ensure in /home/ there is a network folder and it contains expected files.

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Alter /etc/crontab file to include:

```
5 23 * * *    root /etc/viamed.scripts/./automysqlbackup.sh
15 23 * * *   root /etc/viamed.scripts/./myscripts.sh
30 23 * * *   root /etc/viamed.scripts/./bu2vmserver1.sh
45 * * * *    root /etc/viamed.scripts/./myscriptshourly.sh
```