

Configuration Method

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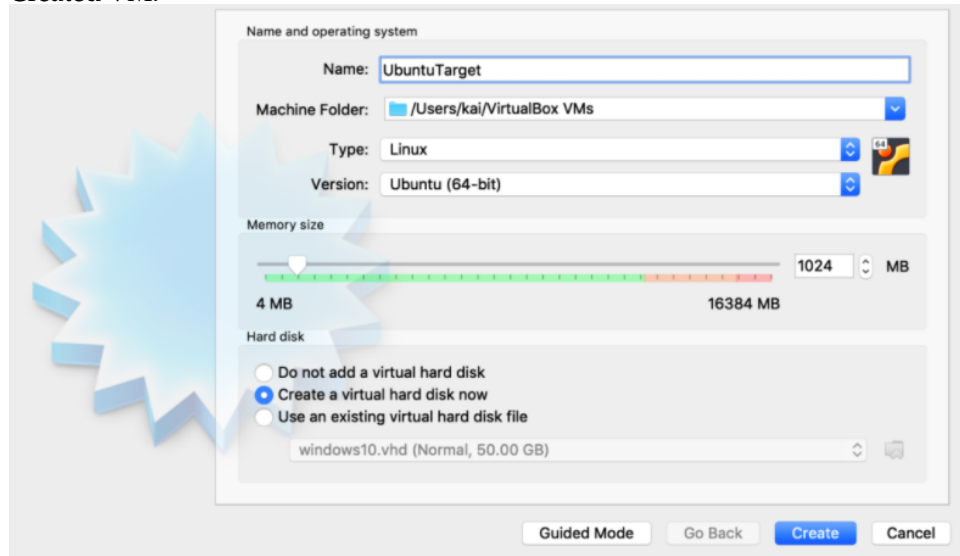
Contents

Steps	2
Building the base target OS (Ubuntu 16.04) Image	2
Downloading and installing required packages	2
Setting up Drupal	3
Creating Webpages	5
Creating key files	6

Steps

Building the base target OS (Ubuntu 16.04) Image

1. Downloaded the Ubuntu 16.04 .vdi file for VirtualBox.
2. Created VM.



3. Installed Ubuntu with default settings.
4. Default User is osboxes - Password: 'balderdash'
5. Created a new user ubuntu with password 'balderdash'
6. Root password is also set to 'balderdash'
7. 'osboxes' user is in the sudoers file. 'ubuntu' user is not.

Downloading and installing required packages

1. Install php5.6 repository.

```
# apt-get install software-properties-common
# add-apt-repository ppa:ondrej/php
# apt-get update
```
2. Install Apache and MySQL

```
# apt install apache2
# apt install mysql-server
# service apache2 restart
# service mysql restart

# mysql_secure_installation
```

3. Access the database using

```
# mysql -h localhost -u root -p
```

You will be prompted to enter a password while you are installing MySQL.
That will be your root password.

4. Create the database and user

```
mysql> CREATE DATABASE drupalDB CHARACTER SET utf8 COLLATE
      utf8_general_ci;
mysql> CREATE USER drupy@localhost IDENTIFIED BY 'Password123!';
mysql> GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, INDEX,
      ALTER, CREATE TEMPORARY TABLES ON drupalDb.*
      TO 'drupy'@'localhost' IDENTIFIED BY 'Password123!';
mysql> FLUSH PRIVILEGES;
mysql> exit

# service mysql restart
```

5. Installing Drupal

```
# cd /var/www/html/
# wget https://ftp.drupal.org/files/projects/drupal-7.57.tar.gz
# tar -xzf drupal-7.57.tar.gz
# cd /var/www/html/drupal-7.57/
# cp sites/default/default.settings.php sites/default/settings.php
# cd /var/www/html/
# chown -R www-data:www-data drupal-7.57/

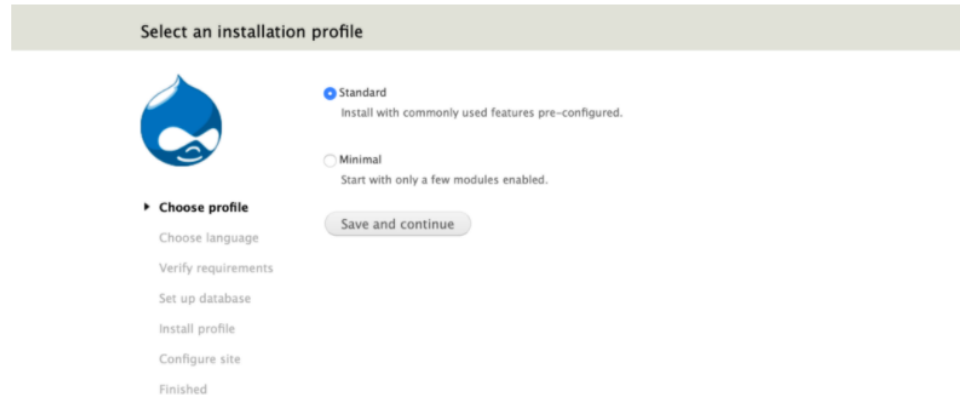
#mv drupal-7.57 front
```

Setting up Drupal

After installing Drupal, navigate to the ip of your VM /front. (x.x.x.x/front)
You should be greeted by the Drupal Installation page.

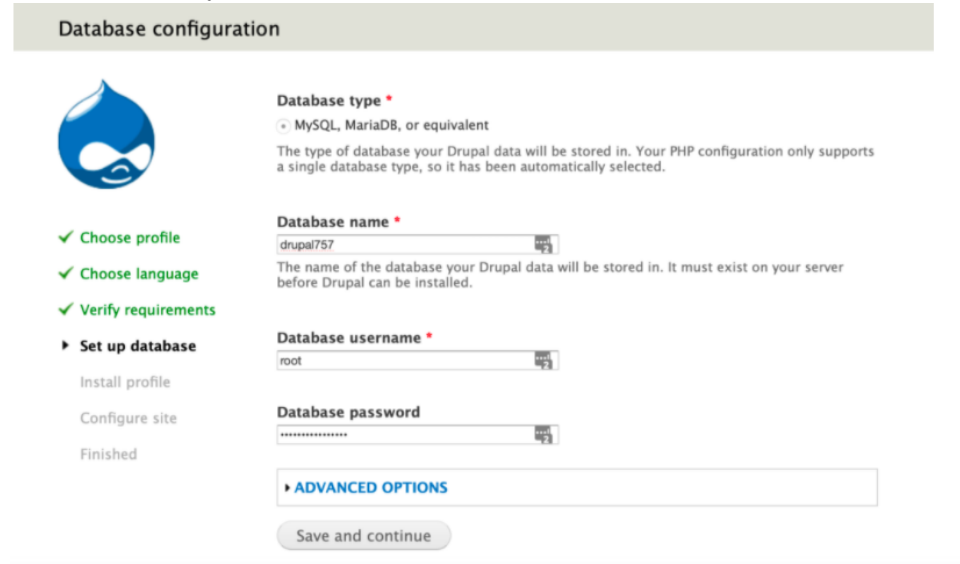
```
# Get the server private IP
ifconfig
```

Now navigate to the IP of your VM in a browser. You should be greeted by the Drupal installation page.



The screenshot shows the 'Select an installation profile' page of the Drupal installer. On the left is the Drupal logo. Below it is a vertical list of steps: 'Choose profile' (highlighted with a right-pointing triangle), 'Choose language', 'Verify requirements', 'Set up database', 'Install profile', 'Configure site', and 'Finished'. To the right of the logo, there are two radio button options: 'Standard' (selected) with the description 'Install with commonly used features pre-configured.', and 'Minimal' with 'Start with only a few modules enabled.'. Below these options is a 'Save and continue' button.

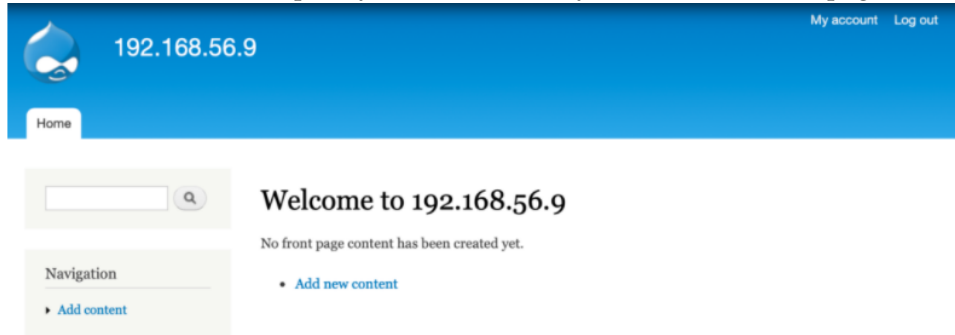
Once you reach the database configuration page, enter the database user details for the user you created earlier.



The screenshot shows the 'Database configuration' page. On the left is the Drupal logo. Below it is a vertical list of steps: 'Choose profile', 'Choose language', 'Verify requirements' (all with green checkmarks), and 'Set up database' (highlighted with a right-pointing triangle). Below 'Set up database' are the steps 'Install profile', 'Configure site', and 'Finished'. To the right, under 'Database type', the 'MySQL, MariaDB, or equivalent' option is selected. Below this is a note: 'The type of database your Drupal data will be stored in. Your PHP configuration only supports a single database type, so it has been automatically selected.' Under 'Database name', the text 'drupal757' is entered in the input field. Below this is another note: 'The name of the database your Drupal data will be stored in. It must exist on your server before Drupal can be installed.' Under 'Database username', the text 'root' is entered. Under 'Database password', a series of dots is shown. Below these fields is a blue link for 'ADVANCED OPTIONS'. At the bottom is a 'Save and continue' button.

In our case,
Database name: DrupalDb
Database username: drupy
Database password: Password123!

After the installer is complete you can check out your fresh new homepage.



Creating Webpages

1. Created 2 webpages, index.html which has the 'About Us' content of F4rmC0rp and contact.htm.
2. Also added a little CSS and JavaScript to make it look less simple.





Creating key files

1. First is troll. I created a s3crets folder in /var/www/html and wrote "You have been trolled..!" in the index.html page.

```
osboxes@osboxes:/var/www/html/s3cret$ cat index.html
<!-- Sn3akY_aR3nT_y0u..wE11_th15_1s_N0t_wHaT_Y0u_Ar3_l00K1nG_F0r -->

<html>
<h2>LOL. You have been trolled..!</h2>
</html>
```

2. Second is a key.txt file in 'osboxes' user home folder which gives us the hint to the real key file.

```
osboxes@osboxes:~$ cat key.txt
StI11_n0t_thE_R1gHt_KeY..!

It must hurt doesn't it..?
Just a hint:
The correct key file is hidden. The filename matches one of words
found on the website.
```

3. The real key file is named as consumers.txt and is located in /cdrom/-consumers.txt. It is base64 encoded and it decodes to

Whatever_key_you_want_to_keep

```
osboxes@osboxes:/cdrom$ cat consumers.txt
Good Job..!

The key is: V2hhdGV2ZXJfa2V5X3lvdV93YW5uYV9rZWVw==
```