## Kelompok 4 – cloudsore

## Nama kelompok

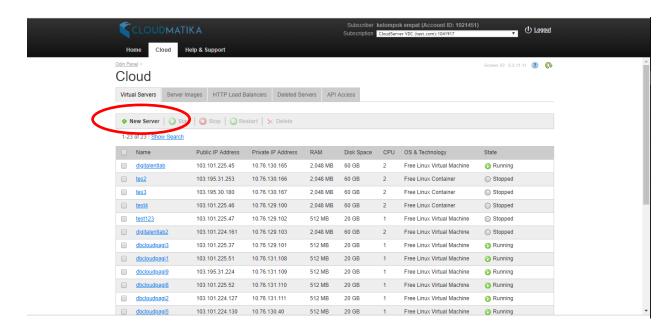
- 1. Ikhwanunni'am Khuzaini
- 2. Imam Irhamsyah
- 3. Indah Pradana Kusuma
- 4. Ivan Satryana
- 5. Izdihar Afaf

# Setup LEMP in Ubuntu 16.04 by Kelompok 4

1. Login pada cloudmatika.com



2. Pilih menu cloud dan klik menu new server



3. Masukkan ketentuan-ketentuan server yang sesuai dengan perintah dibawah ini konfigurasi MINIMAL

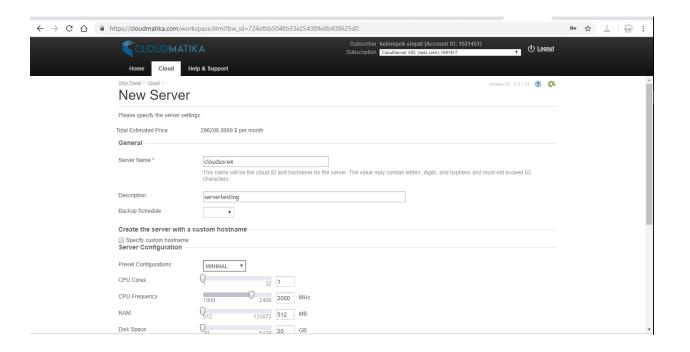
nama: cloudsore4

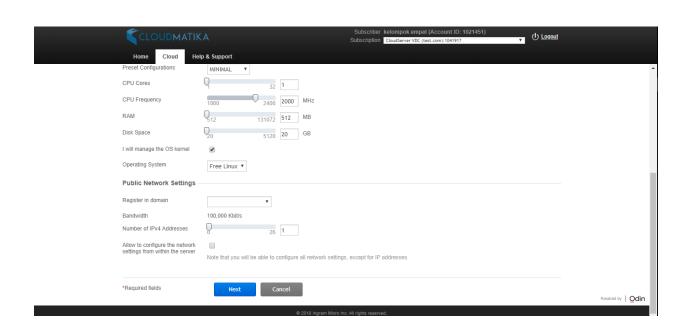
I will manage the OS kernel: centang

OS: free linux

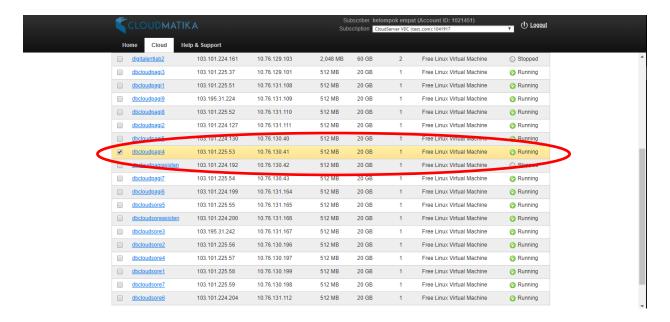
number of IPv4 addresses: 1

OS: ubuntu 16.04

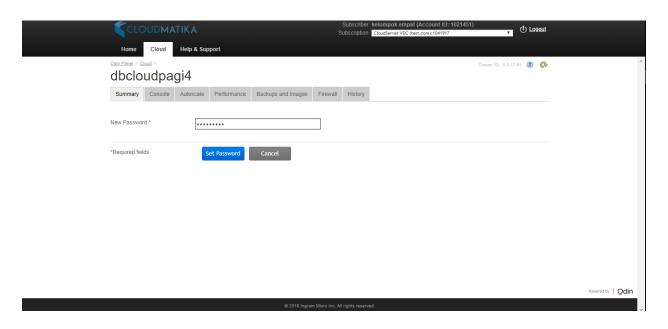




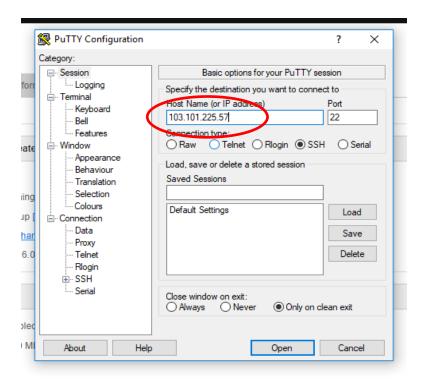
#### 4. Tunggu sampai running



5. Ubah password dari nama server yang telah dibuat tadi



6. Masuk ke dalam putty menggunakan ip public yang sesuai dengan server



7. Login pada root dengan memasukkan username dan password

```
root@dbcloudsore4:~

login as: root
root@103.101.225.57's password:
Welcome to Ubuntu 16.04.3 LTS (GNU/Linux 4.4.0-109-generic x86_64)

* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/advantage
root@dbcloudsore4:~# []
```

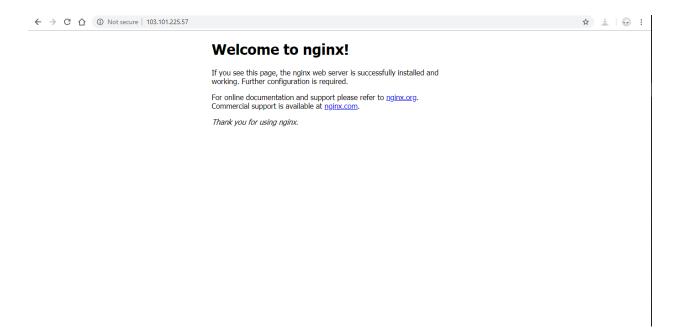
8. Update local package index dan install nginx web server apt-get update

```
root@dbcloudsore4: ~
                                                                          X
root@dbcloudsore4:~# apt-get update
Hit:1 http://id.archive.ubuntu.com/ubuntu xenial InRelease
Get:2 http://security.ubuntu.com/ubuntu xenial-security InRelease [107 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
Get:4 http://security.ubuntu.com/ubuntu xenial-security/main_amd64 Packages [573
Get:5 http://id.archive.ubuntu.com/ubuntu xenial-backports InRelease [107 kB]
Get:6 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 Packages [86
9 kB]
Get:7 http://id.archive.ubuntu.com/ubuntu xenial-updates/main i386 Packaqes [776
Get:8 http://security.ubuntu.com/ubuntu xenial-security/main i386 Packages [493
Get:9 http://id.archive.ubuntu.com/ubuntu xenial-updates/main Translation-en [35
Get:10 http://id.archive.ubuntu.com/ubuntu xenial-updates/restricted amd64 Packa
ges [7,556 B]
Get:11 http://id.archive.ubuntu.com/ubuntu xenial-updates/restricted i386 Packag
es [7,524 B]
Get:12 http://id.archive.ubuntu.com/ubuntu xenial-updates/restricted Translation
-en [2,272 B]
Get:13 http://id.archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Package
s [697 kB]
Get:14 http://id.archive.ubuntu.com/ubuntu xenial-updates/universe i386 Packages
```

#### apt-get install nginx

```
root@dbcloudsore4: ~
                                                                              X
root@dbcloudsore4:~# apt-get install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0
  libjpeq-turbo8 libjpeq8 libtiff5 libvpx3 libxpm4 libxslt1.1 nginx-common
 nginx-core
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libqd3 libjbig0
  libjpeg-turbo8 libjpeg8 libtiff5 libvpx3 libxpm4 libxslt1.1 nginx
 nginx-common nginx-core
0 upgraded, 14 newly installed, 0 to remove and 141 not upgraded.
Need to get 3,002 kB of archives.
After this operation, 9,785 \text{ kB} of additional disk space will be used. Do you want to continue? [Y/n] y
Get:1 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 libjpeg-turb
08 amd64 1.4.2-0ubuntu3.1 [111 kB]
Get: 2 http://id.archive.ubuntu.com/ubuntu xenial/main amd64 libjbig0 amd64 2.1-3
.1 [26.6 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu xenial/main amd64 fonts-dejavu-core al
 2.35-1 [1.039 kB]
```

Masukan public ip adress di browser untuk mengecek apakah nginx sudah terinstal atau belum



Install My SQL apt-get install mysql-server

```
🚰 root@dbcloudsore4: ~
                                                                                                       X
root@dbcloudsore4:~# apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:

libaiol libcgi-fast-perl libcgi-pm-perl libencode-locale-perl

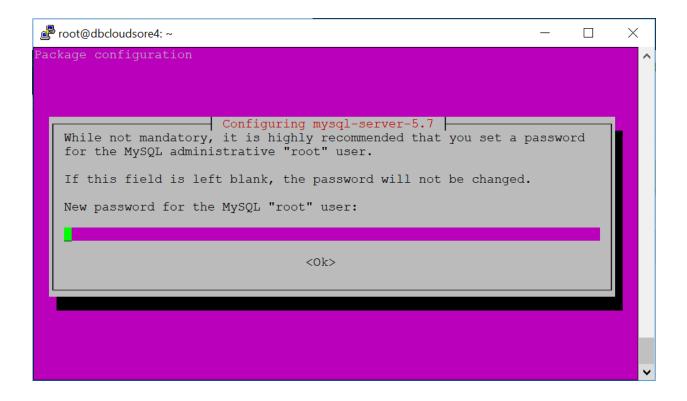
libevent-core-2.0-5 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl

libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl

liblwp-mediatypes-perl libperl5.22 libtimedate-perl liburi-perl

mysql-client-5.7 mysql-client-core-5.7 mysql-common mysql-server-5.7

mysql-server-core-5.7 perl perl-base perl-modules-5.22 rename
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinyca perl-doc
  libterm-readline-gnu-perl | libterm-readline-perl-perl
The following NEW packages will be installed:
  libaiol libcgi-fast-perl libcgi-pm-perl libencode-locale-perl
  libevent-core-2.0-5 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libperl5.22 libtimedate-perl liburi-perl
  mysql-client-5.7 mysql-client-core-5.7 mysql-common mysql-server
  mysql-server-5.7 mysql-server-core-5.7 perl perl-modules-5.22 rename
The following packages will be upgraded:
  perl-base
  upgraded, 25 newly installed, 0 to remove and 140 not upgraded.
```



10. Instal PHP Processing dengan perintah apt-get install php-fpm php-mysql

```
🗬 root@dbcloudsore4: ~
                                                                                     \times
                                                                              root@dbcloudsore4:~# apt-get install php-fpm php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
 php-common php7.0-cli php7.0-common php7.0-fpm php7.0-json php7.0-mysql
 php7.0-opcache php7.0-readline
Suggested packages:
 php-pear
The following NEW packages will be installed:
 php-common php-fpm php-mysql php7.0-cli php7.0-common php7.0-fpm php7.0-json
 \verb|php7.0-mysql| php7.0-opcache | php7.0-readline|
0 upgraded, 10 newly installed, 0 to remove and 140 not upgraded.
Need to get 3,657 kB of archives.
After this operation, 14.5 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php-common a
11 1:35ubuntu6.1 [10.8 kB]
Get:2 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php7.0-commo
n amd64 7.0.32-0ubuntu0.16.04.1 [840 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php7.0-json
amd64 7.0.32-0ubuntu0.16.04.1 [16.9 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php7.0-opcac
he amd64 7.0.32-0ubuntu0.16.04.1 [77.2 kB]
```

Masukkan perintah nano /etc/php/7.0/fpm/php.ini Kemudian *ubah perintah* ;cgi.fix\_pathinfo=1 *menjadi* cgi.fix\_pathinfo=0 systemctl restart php7.0-fpm

```
root@dbcloudsore4:~# nano /etc/php/7.0/fpm/php.ini
root@dbcloudsore4:~# systemctl restart php7.0-fpm
root@dbcloudsore4:~#
root@dbcloudsore4:~#
```

11. Konfigurasi Nginx untuk menggunakan PHP Processor nano /etc/nginx/sites-available/default

```
root@dbcloudsore4:~# nano /etc/nginx/sites-available/default

^
```

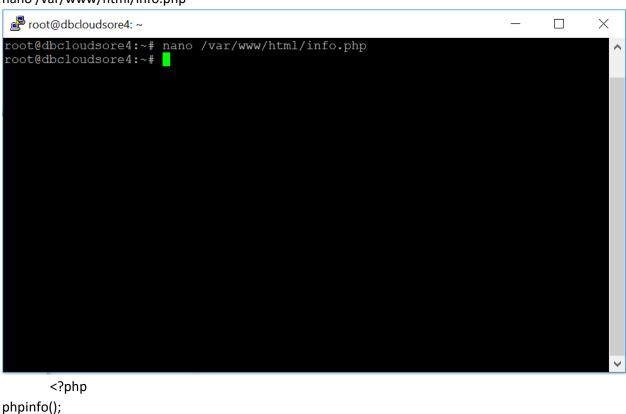
```
Ubah perintah yang sebelumnya
  server {
    listen 80 default_server;
    listen [::]:80 default_server;
    root /var/www/html;
    index index.html index.htm index.nginx-debian.html;
    server_name _;
    location / {
      try_files $uri $uri/ =404;
    }
  }
  diubah menjadi:
  server {
    listen 80 default_server;
    listen [::]:80 default_server;
    root /var/www/html;
    index index.php index.html index.htm index.nginx-debian.html;
    server_name server_domain_or_IP;
    location / {
      try_files $uri $uri/ =404;
    }
    location ~ \.php$ {
      include snippets/fastcgi-php.conf;
      fastcgi_pass unix:/run/php/php7.0-fpm.sock;
    }
    location ~ /\.ht {
      deny all;
    }
  }
```

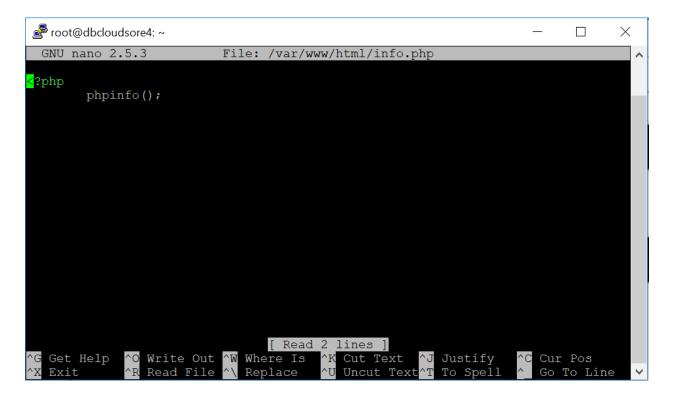
```
🗬 root@dbcloudsore4: ~
                                                                               X
 GNU nano 2.5.3
                     File: /etc/nginx/sites-available/default
                                                                      Modified
       location ~ \.php$ {
               include snippets/fastcgi-php.conf;
               # With php7.0-cgi alone:
               fastcgi pass 127.0.0.1:9000;
               # With php7.0-fpm:
               fastcgi pass unix:/run/php/php7.0-fpm.sock;
       deny access to .htaccess files, if Apache's document root
       # concurs with nginx's one
               deny all;
Virtual Host configuration for example.com
                                      ^K Cut Text
            ^O Write Out ^W Where Is
 Get Help
                                                    ^J Justify
                                         Uncut Text
               Read File
                            Replace
```

Kemudian masukkan perintah nginx -t dan systemctl reload nginx

```
root@dbcloudsore4:~# nano /etc/nginx/sites-available/default
root@dbcloudsore4:~# nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@dbcloudsore4:~# systemctl reload nginx
root@dbcloudsore4:~#
```

12. Buat file PHP untuk tes konfigurasi nano /var/www/html/info.php





## kemudian akses <a href="http://103.101.225.57/info.php">http://103.101.225.57/info.php</a>



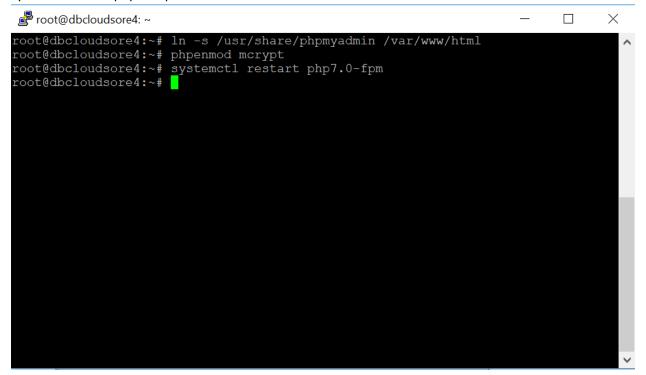
### rm /var/www/html/info.php

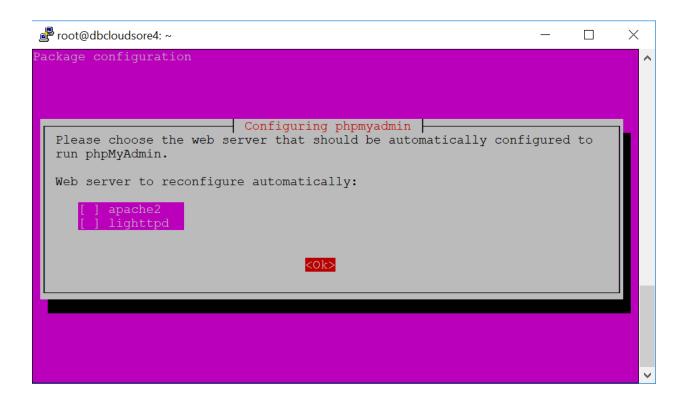
13. Install phpMyAdmin dengan perintah dibawah ini apt-get install phpMyAdmin

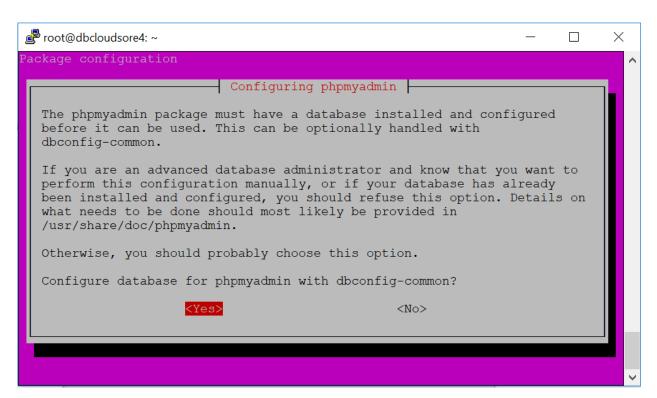
```
root@dbcloudsore4: ~
                                                                                          X
root@dbcloudsore4:~# apt-get install phpmyadmin
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:

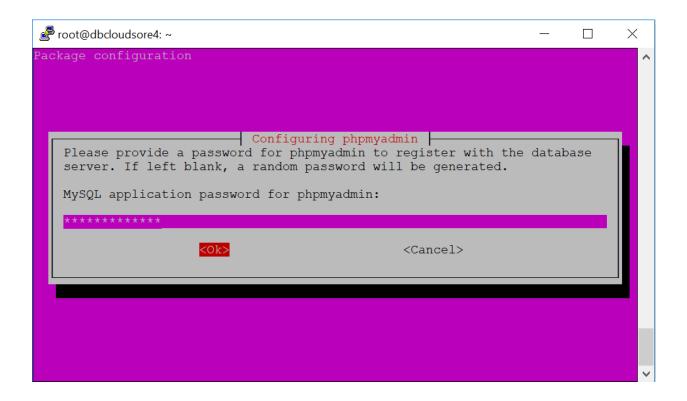
dbconfig-common dbconfig-mysql javascript-common libjs-jquery
  libjs-sphinxdoc libjs-underscore libmcrypt4 php-gd php-gettext php-mbstring
  php-mcrypt php-pear php-phpseclib php-tcpdf php-xml php7.0-gd
  php7.0-mbstring php7.0-mcrypt php7.0-xml
Suggested packages:
 libmcrypt-dev mcrypt php-libsodium php-gmp php-imagick www-browser
The following NEW packages will be installed:
  dbconfig-common dbconfig-mysql javascript-common libjs-jquery
libjs-sphinxdoc libjs-underscore libmcrypt4 php-gd php-gettext php-mbstring php-mcrypt php-pear php-phpseclib php-tcpdf php-xml php7.0-gd php7.0-mbstring php7.0-mcrypt php7.0-xml phpmyadmin 0 upgraded, 20 newly installed, 0 to remove and 140 not upgraded.
Need to get 13.8 MB of archives.
After this operation, 53.5 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://id.archive.ubuntu.com/ubuntu xenial/main amd64 dbconfig-common all
2.0.4ubuntu1 [582 kB]
Get:2 http://id.archive.ubuntu.com/ubuntu xenial/universe amd64 dbconfig-mysql a
11 2.0.4ubuntu1 [1,038 B]
```

In -s /usr/share/phpmyadmin /var/www/html phpenmod mcrypt systemctl restart php7.0-fpm

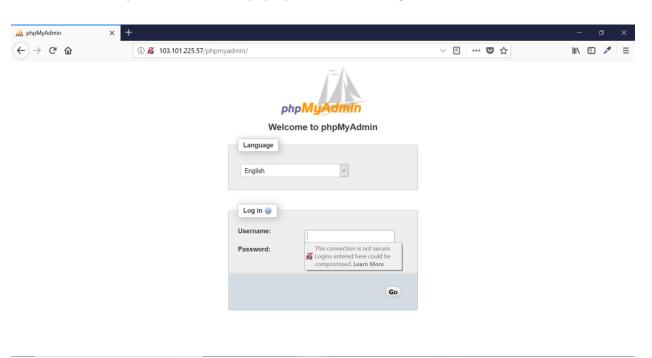


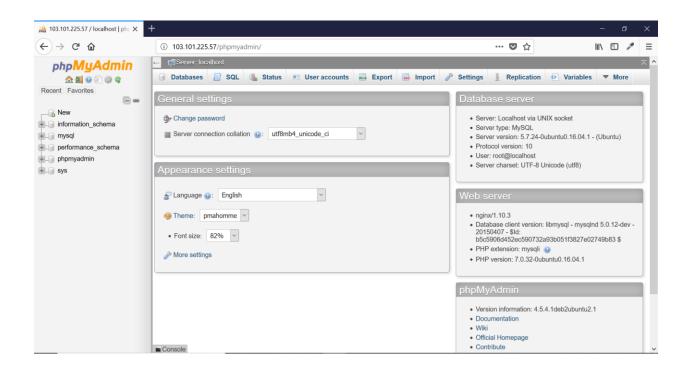






kemudian akses http://103.101.225.57/phpMyAdmin untuk mengecek





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