

# VPN Main Server And Backend Guide

## Main Server Requirements

- 1.Ubuntu 16.04 x64 bit OS  
Suggestion :Digitalocean 4gb ram droplet package
- 2.Plesk Install
  - 2.1 Ssh login server terminal.
  - 2.2 sudo apt-get update
  - 2.3 wget http://autoinstall.plesk.com/plesk-installer
  - 2.4 chmod +x plesk-installer
  - 2.5 ./plesk-installer
  - 2.6 "F" Go forward
  - 2.7 Version select: "F" Go forward
  - 2.8 "Y"
  - 2.9 Recommended Select "1"
  - 2.10 "F" Go forward
  - 2.11 "F" Go forward
  - 2.12 "F" Go forward

Terminal Message

Installation is finished

<https://ip/login?secret=key> terminal copy link – browser open.

This is link setup plesk. Password and mail

Login plesk

http://ip/smb

username:admin

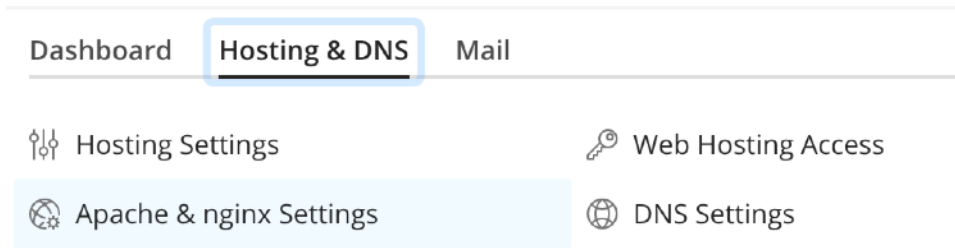
password:you setup password

- 3.ssh2 module extension add plesk  
Source:<https://www.geekdecoder.com/how-to-install-ssh2-extension-for-php-on-plesk/>  
apt install -y plesk-php70-dev gcc libssh2-1-dev  
/opt/plesk/php/7.0/bin/pecl install ssh2-1.1.2  
echo "extension=ssh2.so" > /opt/plesk/php/7.0/etc/php.d/ssh2.ini  
plesk bin php\_handler --reread  
service plesk-php70-fpm restart

## Plesk Settings

- Domain dns redirect main server ip.
- Add hosting

- Ssl disabled



#### Security

To secure transactions with your site, use SSL/TLS protocol, which encrypts all data and transfers it over a secure connection. To employ SSL/TLS, install an SSL/TLS certificate on the site, and then select it below.

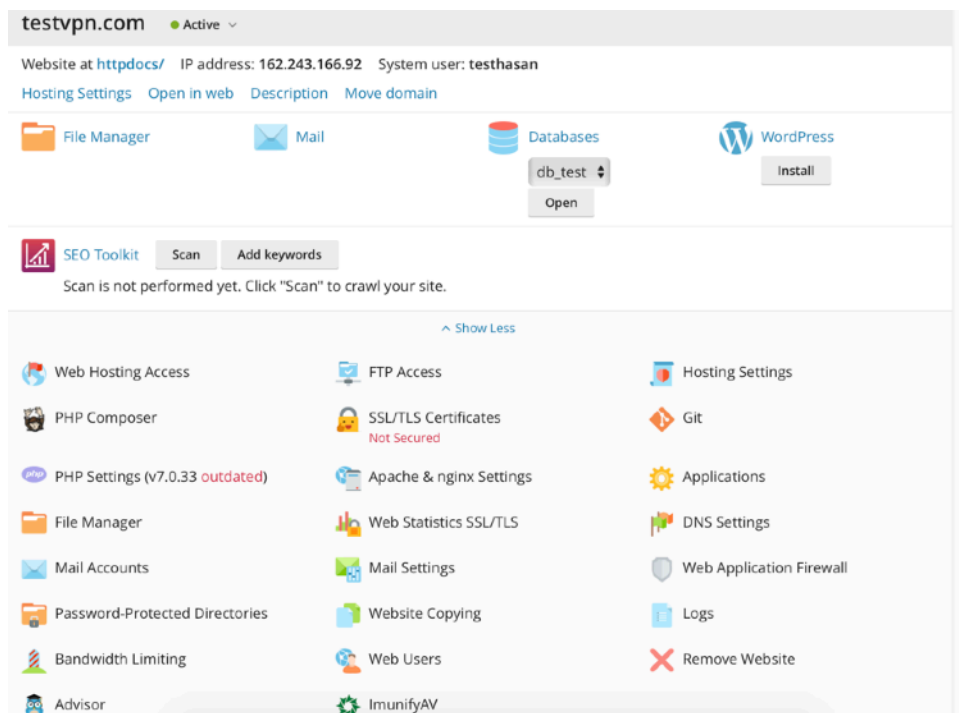
☐ SSL/TLS support

☒ Permanent SEO-safe 301 redirect from HTTP to HTTPS

Certificate

Not selected

- Last php version 7.0 install  
<https://docs.plesk.com/en-US/obsidian/administrator-guide/75153/>
- Select php version
- File Manager vpn directory copy
- Databases create and import test\_db.sql



- Php settings

☒ PHP support (PHP version **7.0.33 (Outdated)** ), run PHP as **FPM application** [View the phpinfo\(\) page](#)

Below are the details on the website's PHP configuration. You can change the PHP configuration if the hosting provider grants you the corresponding permission.

[Learn how to choose the most suitable PHP settings](#)

### Performance and security settings

memory_limit	<input type="text" value="1288888M"/> <a href="#">Reset To Default</a>	The maximum amount of memory in bytes a script is allowed to allocate.
max_execution_time	<input type="text" value="300000"/> <a href="#">Reset To Default</a>	The maximum time in seconds a script is allowed to run before it is terminated.
max_input_time	<input type="text" value="600000"/> <a href="#">Reset To Default</a>	The maximum time in seconds a script is allowed to parse input data.
post_max_size	<input type="text" value="888888M"/> <a href="#">Reset To Default</a>	The maximum size in bytes of data that can be posted with the POST method. Typically, should be larger than upload_max_filesize and smaller than memory_limit.
upload_max_filesize	<input type="text" value="222222M"/> <a href="#">Reset To Default</a>	The maximum size in bytes of an uploaded file.
opcache.enable	<input type="text" value="on (Default)"/>	
disable_functions	<input type="text" value="opcache_get_status (Default)"/>	This directive allows you to disable certain functions. It takes on a comma-delimited list of function names

### Common settings

include_path	<input type="text" value="./opt/plesk/php/7.0/share/pear (Default)"/>	The list of directories where scripts look for files (similar to system's PATH variable). To
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		The error reporting level.
display_errors	<input type="text" value="off (Default)"/>	Determines whether errors should be displayed as a part of the output.
log_errors	<input type="text" value="on (Default)"/>	Enable the logging of PHP errors.
allow_url_fopen	<input type="text" value="on (Default)"/>	Allows PHP file functions to retrieve data from remote locations over FTP or HTTP.
file_uploads	<input type="text" value="on (Default)"/>	Allows uploading files over HTTP.
short_open_tag	<input type="text" value="off (Default)"/>	Allows the short form (<? ?>) of the PHP's open tag.

### PHP-FPM settings

pm.max_children	<input type="text" value="100"/> <a href="#">Reset To Default</a>	
pm.max_requests	<input type="text" value=""/>	
pm	<input type="text" value="ondemand (Default)"/>	
pm.start_servers	<input type="text" value="1 (Default)"/>	
pm.min_spare_servers	<input type="text" value="1 (Default)"/>	
pm.max_spare_servers	<input type="text" value="1 (Default)"/>	

- Ssh2 Extension control  
Tools & Settings – General Settings – Php Settings - 7.0.33 FPM application click

<input checked="" type="checkbox"/> bcmath	<input checked="" type="checkbox"/> curl	<input checked="" type="checkbox"/> dba	<input checked="" type="checkbox"/> dom
<input checked="" type="checkbox"/> enchant	<input checked="" type="checkbox"/> fileinfo	<input checked="" type="checkbox"/> gd	<input checked="" type="checkbox"/> imagick
<input checked="" type="checkbox"/> imap	<input checked="" type="checkbox"/> intl	<input checked="" type="checkbox"/> ioncube_loader_lin_7.0	<input checked="" type="checkbox"/> json
<input checked="" type="checkbox"/> ldap	<input checked="" type="checkbox"/> mbstring	<input checked="" type="checkbox"/> mcrypt	<input checked="" type="checkbox"/> mysqli
<input checked="" type="checkbox"/> mysqlnd	<input checked="" type="checkbox"/> odbc	<input checked="" type="checkbox"/> opcache	<input checked="" type="checkbox"/> pdo
<input checked="" type="checkbox"/> pdo_mysql	<input checked="" type="checkbox"/> pdo_odbc	<input checked="" type="checkbox"/> pdo_pgsql	<input checked="" type="checkbox"/> pdo_sqlite
<input checked="" type="checkbox"/> pgsql	<input checked="" type="checkbox"/> phar	<input checked="" type="checkbox"/> posix	<input checked="" type="checkbox"/> pspell
<input checked="" type="checkbox"/> redis	<input checked="" type="checkbox"/> snmp	<input checked="" type="checkbox"/> soap	<input checked="" type="checkbox"/> sodium
<input checked="" type="checkbox"/> sqlite3	<input checked="" type="checkbox"/> ssh2	<input checked="" type="checkbox"/> sysvmsg	<input checked="" type="checkbox"/> sysvsem
<input checked="" type="checkbox"/> sysvshm	<input checked="" type="checkbox"/> tidy	<input checked="" type="checkbox"/> xdebug	<input checked="" type="checkbox"/> xmlreader
<input checked="" type="checkbox"/> xmlrpc	<input checked="" type="checkbox"/> xmlwriter	<input checked="" type="checkbox"/> xsl	<input checked="" type="checkbox"/> zip

## Main Server and Dashboard Install

- 1. id\_rsa.pub and id\_rsa create createad and copy login main server terminal  
cd /root/.ssh directory  
ssh-keygen command 3x enter  
last coomand:openssl rsa -in id\_rsa -out id\_rsaNOPASSWORD
- 2.Copy: /root/.ssh/id\_rsa\* /var/www/vhosts/domain.name/httpdocs/vpn/keys/  
Filezilla vs ftp managent ..  
Id\_rsa delete id\_rsaNOPASSWORD rename id\_rsa
- 3. ".env" vpn directory in change  
DB\_DATABASE=db\_name  
DB\_USERNAME=db\_test  
DB\_PASSWORD=1235
- 4.Dashboard admin register  
url:"domain.com/vpn/admin/register" default password: vpn123123.  
Default password change; "vpn/app/Http/Controllers/AdminController" 224.code
- 5. app/config/global.php maindirecttory change
- 6.Dasboard login domain.name/vpn/admin
- 7.There is Basic Auth and User Token for security.  
You can edit Basic Auth Middleware\BasicAuth.  
BasicAuth ; username:admin Password:password

## Dashboard Settings

- 1.App bundle id change / Middleware/Bundle security

#### Settings Page

Cronjob
Sub Server
DigitalOcaen Token
Bundle ID

**BUNDLE ID Please Multi Vpn Apps "," using Example:com.net.vpn,com.vpn.halper**

BUNDLE ID

com.liva.browser,com.almina.cvpn,com.livpn.proxy,co.jrsworld.VPN-By-Appilf,com.akal.speech

EDIT BUNDLE ID

- 2.Digitalocean Token change for auto create server

Cronjob
Sub Server
DigitalOcaen Token
Bundle ID

**Digitalocean Token**

Token Digital

71b8f2a0d289ab09b94c24e99ef0d081ab35e9a7f385fe8420123ea47d944f27

EDIT TOKEN

- 3.Cronjob Active transactions  
app/Http/Jobs/Adduser  
<https://laravel.com/docs/5.5/queues>

## Dashboard Vpn Servers Create

### 1.Digitalocean Server Install.

Main

Dashboard
Log Viewer

Server

Server Managent
Server Create
Digitalocean Server
Manuel Server
Sub Server

System

About
Settings
User Guide

Digital Ocean Server Create

Country Name

USA TEST

Region Name

New York 1 - nyc1 - Available

Note: [Digital Ocean Availability Region List](#). Example: fra1,lon1,tor1,NYC1 .. vs

City Name

New York

Country Code

US

☒ Server Paid
☐ Server Free

CREATE SERVER

2.