

Forum:[Hack Forums](#)

Thread: [\[TUT\] How to install Nginx + php5 + mysql \[TUT\]](#)

Loki123 - July 1, 2012, 11:37 am

How to install Nginx with PHP5 and MySQL

Ummmm, I'm going to help you to install Nginx with MySQL and PHP and I will include how to setup PhpMyAdmin.

This will be tut on a Debian based distro so if you use CentOS or some other distro, the config part should be the same but other way to install the package. ?

Install MySQL services Spoiler [\(Click to View\)](#)

PHP Code

```
<?php
```

```
apt-get install mysql-server mysql-client
```

In this process you need to set a mysql password. Keep it secure.. ?

Install Nginx Spoiler [\(Click to View\)](#)

PHP Code

```
<?php
```

```
apt-get install nginx
```

So there it is. you may need to start Nginx, and you do that by doing

PHP Code

```
<?php
```

```
/etc/init.d/nginx start
```

But that is not all, you also need to add Nginx to your startup. ?

PHP Code

```
<?php
```

```
update-rc.d nginx defaults
```

and there we go, if you visit your server you should get up a default Nginx page.

Install PHP5 and configure it Spoiler [\(Click to View\)](#)

PHP Code

```
<?php
```

```
apt-get install php5-cgi php5-mysql php5-curl php5-gd php5-idn php-pear php5-imagick php5-imap php5-mcrypt php5-memcache php5-mhash php5-ming php5-pspell php5-recode php5-snmpp php5-sqlite php5-tidy php5-xmlrpc php5-xsl
```

next thing we do is change php.ini.

PHP Code

```
<?php
```

```
nano /etc/php5/cgi/php.ini
```

and find this line : `cgi.fix_pathinfo = 1` and make sure its there and uncommented if you can't find it, then add it to the bottom of the file.

install & starting spawn-fcgi Spoiler [\(Click to View\)](#)

next we do is installing spawn-fcgi.

PHP Code

```
<?php
```

apt-get install spawn-fcgi

IF that does not work you need to install lighttpd and remember to take it out of the startup ...
(apt-get install lighttpd && update-rc.d -f lighttpd remove).

next we do is starting spawn-fcgi...

PHP Code

```
<?php
```

```
/usr/bin/spawn-fcgi -a 127.0.0.1 -p 9000 -u www-data -g www-data -f /usr/bin/php5-cgi -P /var/run/  
fastcgi-php.pid
```

And so you don't need to run that command manually at startup, you edit you rc.local file.

PHP Code

```
<?php
```

```
nano /etc/rc.local
```

and add the line above to it ...

Configure Nginx

Ok, this is the part I HATE.

We need to edit /etc/nginx/sites-available/default...

PHP Code

```
<?php
```

```
nano /etc/nginx/sites-available/default
```

and change from

```
Server {
```

```
    listen 80;
```

```
CRAAP
```

```
}
```

to this :

Spoiler ([Click to View](#))Quote:server {

```
    listen 80;
```

```
    server_name _;
```

```
    access_log /var/log/nginx/localhost.access.log;
```

```
    location / {
```

```
        root /var/www/;
```

```
        index index.php index.html index.htm;
```

```
    }
```

```
    location /doc {
```

```
        root /usr/share;
```

```
        autoindex on;
```

```
        allow 127.0.0.1;
```

```
        deny all;
```

```
    }
```

```
    location /images {
```

```
        root /usr/share;
```

```
        autoindex on;
```

```
    }
```

```

#error_page 404 /404.html;

# redirect server error pages to the static page /50x.html
#
error_page 500 502 503 504 /50x.html;
location = /50x.html {
    root /var/www/;
}

# proxy the PHP scripts to Apache listening on 127.0.0.1:80
#
#location ~ \.php$ {
#    #proxy_pass http://127.0.0.1;
#}

# pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
#
location ~ \.php$ {
    fastcgi_pass 127.0.0.1:9000;
    fastcgi_index index.php;
    fastcgi_param SCRIPT_FILENAME /var/www/$fastcgi_script_name;
    include fastcgi_params;
}

# deny access to .htaccess files, if Apache's document root
# concurs with nginx's one
#
location ~ /\.ht {
    deny all;
}
}

```

Then restart Nginx and try the PHP out. Now, Nginx with PHP + MYSQL should be up...

PHP Code

```
<?php
```

/etc/init.d/nginx restart

Installing PhpMyAdmin

Lets install phpmyadmin first.

PHP Code

```
<?php
```

apt-get install phpmyadmin

and then edit default again.

PHP Code

```
<?php
```

nano /etc/nginx/sites-available/default

and add this above "# deny access to .htaccess files, if Apache's document root"

Spoiler ([Click to View](#))

Quote: location /phpmyadmin {

```
root /usr/share/;
```

```
index index.php index.html index.htm;
```

```

location ~ ^/phpmyadmin/(.+\.php)$ {
    try_files $uri =404;
    root /usr/share/;
    fastcgi_pass 127.0.0.1:9000;
    fastcgi_param HTTPS on; # <-- add this line
    fastcgi_index index.php;
    fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
    include /etc/nginx/fastcgi_params;
}
location ~* ^/phpmyadmin/(.+\.jpg|jpeg|gif|css|png|js|ico|html|x$
root /usr/share/;
}
}
location /phpMyAdmin {
    rewrite ^/* /phpmyadmin last;
}

```

Then restart nginx and test SERVERIP/phpmyadmin ?

PHP Code

<?php

/etc/init.d/nginx restart

And everything should be up and running. If not comment or PM me and I will try to help any way I can. ?

D3RP - July 1, 2012, 5:49 pm

nice tutorial it should be useful to someone.. the commands are pretty basic knowledge though.

Your mum - July 2, 2012, 8:56 am

Spoiler those codes mate, idk about you guys but they are running off the edge of my 42inch monitor and I know thats going to be hell for some of you guys running 12inches.

Fault - July 2, 2012, 9:00 am

(Jul 2, 2012 08:56 AM)Robby Wrote: [\[CITE\]](#) Spoiler those codes mate, idk about you guys but they are running off the edge of my 42inch monitor and I know thats going to be hell for some of you guys running 12inches.

For me its fine when i have full screen on. But for people with smaller screens its going to run off like crazy. But thanks for the guide anyways never used nginx before.

Loki123 - July 2, 2012, 9:07 am

added spoilers :-)

Should be better for those who have small screens. mine is 1920x1080 so it was fine for me :D

SEANoEv01 - November 2, 2012, 4:09 am

Was Experimenting with Nginx today for the first time in awhile looking too make a compleate switch from apache2 too nginx but im having some problems.

Phpinfo.php displays fine..

But i have uploaded some other php files and they all show white page no error/404 just white...

What could be the issue?

Regards

bozak - November 2, 2012, 4:57 am

(Nov 2, 2012 04:09 AM)Pernaty Wrote: [\[CITE\]](#) Was Experimenting with Nginx today for the first time in awhile looking too make a compleate switch from apache2 too nginx but im having some problems.

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Regards

nginx sucks dick for dynamic content (especially php). just stick with apache22

terminal - November 2, 2012, 5:41 am

Don't gravedig old threads. And just flame what other people have said.

NeyZ - November 2, 2012, 9:29 am

(Nov 2, 2012 04:09 AM)Pernaty Wrote: [\[CITE\]](#) Was Experimenting with Nginx today for the first time in awhile looking too make a compleate switch from apache2 too nginx but im having some problems.

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Regards

Do you upload it on other directory's? le /var/www/(nginx-default
?)/thisismydirectory/yourphppage.php