

Forum:[Hack Forums](#)

Thread: [\[Tutorial\] How to setup Nginx, MySQL, & PHP on Fedora \[Tutorial\]](#)

C Wide - April 10, 2012, 9:44 pm

~ Introduction ~

Hello everyone today I'm going to be teaching you how to install the web server Nginx on your Fedora server. I've been setting up and configuring web servers for a couple years now and I have a vast knowledge of CentOS, Debian, Ubuntu, & Fedora. I've setup Apache, Litespeed, & Nginx multiple times and have helped many people setting them up as well.

~ The Meat & Potatoes ~

* Some of the following instructions have been taken from this [tutorial](#)

~ Preliminaries ~

1. Basic knowledge of Linux
2. Have a VPS/Dedicated server & puTTY
3. yum remove httpd php*
4. yum install gcc nano

~ MySQL ~

1. yum install mysql mysql-server
2. chkconfig --levels 235 mysqld on
3. service mysqld start
4. mysql_secure_installation
5. Hit enter
6. Type "Y" without the quotations and hit enter
7. Enter your desired password
8. Type "Y" without the quotations and hit enter
9. Type "N" without the quotations and hit enter
10. Type "Y" without the quotations and hit enter
11. Type "Y" without the quotations and hit enter

~ Nginx ~

1. yum install nginx
2. chkconfig --levels 235 nginx on
3. service nginx start

~ PHP5 ~

1. yum install php-fpm php-cli php-mysql php-gd php-imap php-ldap php-odbc php-pear php-xml php-xmlrpc php-eaccelerator php-magickwand php-magpierss php-mbstring php-mcrypt php-mssql php-shout php-snmp php-soap php-tidy
2. nano /etc/php.ini
3. Find the below lines and change "; cgi.fix_pathinfo=1" to "cgi.fix_pathinfo=0"

Code ; cgi.fix_pathinfo provides *real* PATH_INFO/PATH_TRANSLATED support for CGI. PHP's ; previous behaviour was to set PATH_TRANSLATED to SCRIPT_FILENAME, and to not grok ; what PATH_INFO is. For more information on PATH_INFO, see the cgi specs. Setting ; this to 1 will cause PHP CGI to fix its paths to conform to the spec. A setting ; of zero causes PHP to behave as before. Default is 1. You should fix your scripts ; to use SCRIPT_FILENAME rather than PATH_TRANSLATED.
; http://www.php.net/manual/en/ini.core.php#ini.cgi.fix-pathinfo

cgi.fix_pathinfo=0

3. chkconfig --levels 235 php-fpm on

4. service php-fpm start

~ Configuring nginx ~

1. nano /etc/nginx/conf.d/default.conf

2. Add "root /usr/share/nginx/html;" under "server_name _;"

2. Find "index index.html index.htm;" and replace with "index index.php index.html index.htm;"

3. The most important part. Find and uncomment your "location ~ \.php\$ {" stanza. Please make sure that you change the fastcgi_param line to "fastcgi_param SCRIPT_FILENAME \$document_root\$fastcgi_script_name;" because otherwise the PHP interpreter won't find the PHP script that you call in your browser.

Code location ~ \.php\$ {

root /usr/share/nginx/html;

fastcgi_pass 127.0.0.1:9000;

fastcgi_index index.php;

fastcgi_param SCRIPT_FILENAME \$document_root\$fastcgi_script_name;

include fastcgi_params;

}

4. service nginx restart

5. nano /usr/share/nginx/html/info.php

Code <?php

phpinfo();

?>6. Visit http://YOURSERVERIP/info.php

~ Summary ~

Thank you all for taking the time to read my tutorial. I hope you had as much fun reading it as I did writing it up for you. If you have any questions feel free to PM me or post here and I will help you to the best of my ability. If you want to repost this tutorial just give a link back to this thread. Also if there is anything I missed please PM me or post here and I will update the guide asap. If there is any other guides you would like me to write just pitch an idea and I will see :D.

Hunior - April 10, 2012, 9:45 pm

Looks very nice. Wish I had this a few months ago!

C Wide - April 10, 2012, 9:46 pm

(Apr 10, 2012 09:45 PM)HunterT Wrote: [CITE](#) Looks very nice. Wish I had this a few months ago! Thought I would finally start posting some tutorials and giving back :D I did all this while watching Code Geass. Thank you.

Reseller - April 10, 2012, 9:46 pm

Thanks for this tutorial, I can tell you put tons of effort into this and this helped me lot. You made it noob friendly and easy to follow with the titles. This tutorial was organized, simple and yet detailed.

Thanks again,
-iOBV

C Wide - April 10, 2012, 9:53 pm

(Apr 10, 2012 09:46 PM)iOBV Wrote: [\[CITE\]](#) Thanks for this tutorial, I can tell you put tons of effort into this and this helped me lot. You made it noob friendly and easy to follow with the titles. This tutorial was organized, simple and yet detailed.

Thanks again,
-iOBV

Thank you very much :D I made it as simple and straight forward as possible. Nginx is amazing and alot more people should be using it. Same with Fedora.

MOD3M - April 11, 2012, 5:33 am

Nice tutorial. I will start posting some soon.

C Wide - April 11, 2012, 8:07 am

(Apr 11, 2012 05:33 AM)iThinkCode Wrote: [\[CITE\]](#) Nice tutorial. I will start posting some soon. Thank you. I look forward to reading them.

Sheldon McCallister - April 11, 2012, 8:22 am

thanks for tutorial i liked it.i really liked it

C Wide - April 11, 2012, 1:15 pm

(Apr 11, 2012 08:22 AM)Sheldon McCallister Wrote: [\[CITE\]](#) thanks for tutorial i liked it.i really liked it Thank you very much :D If you have any questions feel free to ask.

C Wide - October 22, 2012, 9:30 pm

Bumping this tutorial up. It's great for people to learn linux and how to setup a webserver. Also exploring a new webserver other than apache is great for webmasters.