

## SYSTMBOX - How To Install Nginx With PHP 5.3 And PHP-FPM Support On CentOS 6

Written by Christian Foronda

Wednesday, 20 July 2011 19:08 - Last Updated Friday, 22 July 2011 08:22

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This tutorial is tested only on CentOS 6.0 but might also work on future CentOS 6 versions.

This is done on a bare install of CentOS 6.

Update your packages:

```
# yum -y update
```

Install the repo that we will use to download nginx:

For i386 architecture:

```
# rpm -ivh http://download.fedora.redhat.com/pub/epel/6/i386/epel-release-6-5.noarch.rpm
```

For x86\_64 architecture:

```
# rpm -ivh http://download.fedora.redhat.com/pub/epel/6/x86_64/epel-release-6-5.noarch.rpm
```

Install the repo that we will use to download php-fpm:

```
# rpm -ivh http://rpms.famillecollet.com/enterprise/remi-release-6.rpm
```

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Enable the remi repository:

```
# vi /etc/yum.repos.d/remi.repo
```

On line 5, change the 0 to 1:

```
enabled=1
```

Install nginx:

```
# yum -y install nginx
```

Install PHP5 and php-fpm:

```
# yum -y install php php-mysql php-fpm php-suhosin
```

Now, disable again the remi repository. We don't want the repo to replace our core packages:

```
# vi /etc/yum.repos.d/remi.repo
```

On line 5, return the 1 to 0:

```
enabled=0
```

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Remove Apache since we will use Nginx:

```
# rpm -e --nodeps httpd
```

Configure nginx:

```
# vi /etc/nginx/nginx.conf
```

On line 101, uncomment the following:

```
location ~ .php$ { root    html; fastcgi_pass 127.0.0.1:9000; fastcgi_index index.php;
fastcgi_param SCRIPT_FILENAME /scripts$fastcgi_script_name; include
fastcgi_params; }
```

On line 105, change the line with the one below:

```
fastcgi_param SCRIPT_FILENAME /usr/share/nginx/html$fastcgi_script_name;
```

Start nginx and php5-fpm:

```
# chkconfig nginx on # /etc/init.d/nginx start # chkconfig php-fpm on # /etc/init.d/php-fpm start
```

Create phpinfo script to access it from your browser:

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```
# echo "<?php phpinfo(); ?>" > /usr/share/nginx/html/x.php
```

Go to your browser and access:

<http://localhost/x.php>



<b>System</b>	Linux centos6 2.6.32-71.29.1.el6.x86_64 #1 SMP Mon Jun 27 19:49:27 BST 2011 x86_64
<b>Build Date</b>	May 16 2011 19:41:13
<b>Configure Command</b>	'./configure' '--build=x86_64-unknown-linux-gnu' '--host=x86_64-unknown-linux-gnu' '--target=x86_64-redhat-linux-gnu' '--program-prefix=' '--prefix=/usr' '--exec-prefix=/usr' '--bindir=/usr/bin' '--sbindir=/usr/sbin' '--sysconfdir=/etc' '--datadir=/usr/share' '--includedir=/usr/include' '--libdir=/usr/lib64' '--libexecdir=/usr/libexec' '--localstatedir=/var' '--sharedstatedir=/var/lib' '--mandir=/usr/share/man' '--infodir=/usr/share/info' '--cache-file=../config.cache' '--with-libdir=lib64' '--with-config-file-path=/etc' '--with-config-file-scan-dir=/etc/php.d' '--disable-debug' '--with-pic' '--disable-rpath' '--without-pear' '--with-bz2' '--with-exec-dir=/usr/bin' '--with-freetype-dir=/usr' '--with-png-dir=/usr' '--with-xpm-dir=/usr' '--enable-gd-native-ttf' '--with-t1lib=/usr' '--without-gdbm' '--with-gettext' '--with-gmp' '--with-iconv' '--with-jpeg-dir=/usr' '--with-openssl' '--with-pcre-regex=/usr' '--with-zlib' '--with-layout=GNU' '--enable-exif' '--enable-ftp' '--enable-magic-quotes' '--enable-sockets' '--with-kerberos' '--enable-ucd-snmp-hack' '--enable-shmop' '--enable-calendar' '--with-libxml-dir=/usr' '--enable-xml' '--with-system-tzdata' '--with-mhash' '--enable-fpm' '--without-mysql' '--without-gd' '--disable-dom' '--disable-dba' '--without-unixODBC' '--disable-pdo' '--disable-xmlreader' '--disable-xmlwriter' '--without-sqlite' '--without-sqlite3' '--disable-phar' '--disable-fileinfo' '--disable-json' '--without-pspell' '--disable-wddx' '--without-curl' '--disable-posix' '--disable-sysvmsg' '--disable-sysvshm' '--disable-sysvsem'
<b>Server API</b>	FPM/FastCGI
<b>Virtual Directory Support</b>	disabled
<b>Configuration File (php.ini) Path</b>	/etc
<b>Loaded Configuration File</b>	/etc/php.ini
<b>Scan this dir for additional .ini files</b>	/etc/php.d
<b>Additional .ini files parsed</b>	/etc/php.d/curl.ini, /etc/php.d/fileinfo.ini, /etc/php.d/json.ini, /etc/php.d/mysql.ini, /etc/php.d/mysqli.ini, /etc/php.d/pdo.ini, /etc/php.d/pdo_mysql.ini, /etc/php.d/pdo_sqlite.ini, /etc/php.d/phar.ini, /etc/php.d

Restarting php5-fpm is necessary only if you changed something on your php.ini. Restarting

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nginx isn't necessary.

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