Installing Multiple version PHP On same server

Step1:Download php-5.6 tar file

#wget <http://in1.php.net/distributions/php-5.6.2.tar.gz>

Step2: Extract php-5.6 tar file

#tar -zxf [php-5.6.2.tar.gz](http://in1.php.net/distributions/php-5.6.2.tar.gz)

Step3: Compile and install php-5.6

#cd [php-5.6.2](http://in1.php.net/distributions/php-5.6.2.tar.gz)

#./buildconf --force

./configure --prefix=/opt/php/php-5.6.2\_test –with-config-file-path=/opt/php/php-5.6.2\_test/etc –with-config-file-scan-dir=/opt/php/php-5.6.2\_test/etc/conf.d --enable-bcmath --with-bz2 --with-curl --enable-filter --enable-fpm --with-gd --enable-gd-native-ttf --with-freetype-dir --with-jpeg-dir --with-png-dir --enable-intl --enable-mbstring --with-mcrypt --enable-mysqlnd --with-mysqli=mysqlnd --with-pdo-mysql=mysqlnd --with-pdo-sqlite --disable-phpdbg --disable-phpdbg-webhelper --enable-opcache --with-openssl --enable-simplexml --with-sqlite3 --enable-xmlreader --enable-xmlwriter --enable-zip --with-zlib

#make

#make install

Step4: Rename php configuration file to lib folder

# cp php.ini-production /opt/php-5.6.2/lib/php.ini

Step5: Create fcgi script

#vim /var/www/cgi-bin/php56.fcgi

Add below content

#!/bin/bash

PHPRC="/opt/php-5.6.2/lib/php.ini"

PHP\_CGI=/opt/php-5.6.2/bin/php-cgi

PHP\_FCGI\_CHILDREN=8

PHP\_FCGI\_MAX\_REQUESTS=3000

export PHPRC

export PHP\_FCGI\_CHILDREN

export PHP\_FCGI\_MAX\_REQUESTS

exec $PHP\_CGI

Step6: Change ownership and permission

#chmod +x /var/www/cgi-bin/php56.fcgi

#chown apache:apache /var/www/cgi-bin/php56.fcgi

Step7: Download php-7.1 tar file

#wget <http://in1.php.net/distributions/php-7.1.11.tar.gz>

Step8: Extract php-7.1 tar file

tar -zxf [php-7.1.11.tar.gz](http://in1.php.net/distributions/php-7.1.11.tar.gz)

Step9: Compile and install php-7.1

#./buildconf --force

./configure --prefix=/opt/php/php-7.1.13\_test --with-config-file-path=/opt/php/php-7.1.13\_test/etc --with-config-file-scan-dir=/opt/php/php-7.1.13\_test/etc/conf.d --enable-bcmath --with-bz2 --with-curl --enable-filter --enable-fpm --with-gd --enable-gd-native-ttf --with-freetype-dir --with-jpeg-dir --with-png-dir --enable-intl --enable-mbstring --with-mcrypt --enable-mysqlnd --with-mysqli=mysqlnd --with-pdo-mysql=mysqlnd --with-pdo-sqlite --disable-phpdbg --disable-phpdbg-webhelper --enable-opcache --with-openssl --enable-simplexml --with-sqlite3 --enable-xmlreader --enable-xmlwriter --enable-zip --with-zlib

Step10: make

Step11: make install

Step12: Rename php configuration file to lib folder

#cp php.ini-production /opt/php-7.1.11/lib/php.ini

Step13: Create fcgi script

#vim /var/www/cgi-bin/php56.fcgi

Add below content

#!/bin/bash

PHPRC="/opt/php-7.1.11/lib/php.ini"

PHP\_CGI2=/opt/php-7.1.11/bin/php-cgi

PHP\_FCGI\_CHILDREN=8

PHP\_FCGI\_MAX\_REQUESTS=3000

export PHPRC

export PHP\_FCGI\_CHILDREN

export PHP\_FCGI\_MAX\_REQUESTS

exec $PHP\_CGI2

Step14:**Change ownership and permission**

#chmod +x /var/www/cgi-bin/php71.fcgi

#chown apache:apache /var/www/cgi-bin/php71.fcgi

Step15: **Create virtualhost for php5.6 and php7.1**

#vim /etc/httpd/conf.d/php56.conf

NameVirtualHost \*:80

<VirtualHost \*:80>

ServerName test.php56.com

DocumentRoot /var/www/html/test56

ErrorLog /var/www/html/test56/error56.log

CustomLog /var/www/html/test56/access56.log common

ScriptAlias /cgi-bin/ "/var/www/cgi-bin/"

<Directory /var/www/html/test56>

# Options Indexes FollowSymLinks +ExecCGI

Options All

AddHandler php5-fastcgi .php

Action php5-fastcgi /cgi-bin/php56.fcgi

#DirectoryIndex index.php index.html

AllowOverride All

#Require all granted

#Order allow,deny

Allow from All

</Directory>

</VirtualHost>

#vim /etc/httpd/conf.d/php71.conf

NameVirtualHost \*:80

<VirtualHost \*:80>

ServerName test.php71.com

DocumentRoot /var/www/html/test71

ErrorLog /var/www/html/test71/error71.log

CustomLog /var/www/html/test71/access71.log common

ScriptAlias /cgi-bin/ "/var/www/cgi-bin/"

<Directory /var/www/html/test71>

#Options +Indexes FollowSymLinks +ExecCGI

Options All

AddHandler php71-fastcgi .php

Action php71-fastcgi /cgi-bin/php71.fcgi

#DirectoryIndex index.php index.html

AllowOverride All

#Order allow,deny

Allow from All

</Directory>

</VirtualHost>

Step16: Restart httpd service

#/etc/init.d/httpd restart