[APACHE With PHP Compilation](http://tejaslinuxworld.blogspot.com/2014/03/apache-with-php-apache-http-server-is.html)

**APACHE WITH PHP**

[](http://3.bp.blogspot.com/-5yNDaalYQo4/UzVL9q2AyqI/AAAAAAAAALA/_glKAEP8mBc/s1600/apache318x260.png)   
  
  
  
The Apache HTTP Server is an open-source HTTP server for modern operating systems including UNIX,  
Microsoft Windows, Mac OS/X and Netware. The   
goal of this project is to provide a secure, efficient  
and extensible server that provides HTTP services observing the current HTTP standards.  
Apache has been the most popular web server on the Internet since April of 1996.  
  
  
For building websites, the most popular major technologies consist of the Apache web server,  
the MySQL database management system, and the PHP web scripting language.  
  
First we install Apache Webserver  
  
  
We create one directory for stpring all Tarball's  
I will store my packages under /opt/stuff in this directory  
  
1.) Creating Directory under /opt/  
 #> cd /opt/  
 #> mkdir stuff  
   
2.) Download APACHE Tarball, PHP Tarball  
 #> wget http://www.trieuvan.com/apache//httpd/httpd-2.2.27.tar.gz  
 now for php i am downloading mirror  
 #> wget http://www.php.net/get/php-5.4.4.tar.gz/from/bd1.php.net/mirror  
   
3.) Compilation of APACHE  
 #> tar -zxvf httpd-2.2.27.tar.gz  
 #> cd httpd-2.2.27  
   
 i want to compile my apache in /opt/httpd and enable required modules for WEBSERVER  
 so i ll use prefix=/opt/httpd  
   
 #> ./configure --prefix=/usr/local/apache --enable-so --enable-cgi --enable-rewrite\  
 --enable-speling --enable-mime-magic --enable-usertrack --enable-deflate --enable-ssl\  
 --enable-proxy  
   
 every time when you run a command how will u know that command work properly so below command  
 #> echo $?  
 if result is "0" then ur command is run properly and if result is non-zero then something is wrong.  
  
 What is ./configure ?  
 Ans. -> Typically the configure script when run will:  
 \* Check some details about the machine on which the software is going to be installed.  
 This script checks for lots of dependencies on your system. For the particular software  
 to work properly, it may be requiring a lot of things to be existing on your machine already.  
 If any of the major requirements are missing on your system, the configure script would exit  
 and you cannot proceed with the installation, until you get those required things.  
 \* Create the Makefile to be used in the next step.  
   
 For more reference check this site -> http://stackoverflow.com/questions/2529566/what-does-a-typical-configure-do-in-linux  
  
 #> make && make install  
 (Make is Unix utility that is designed to start execution of a makefile. A makefile is a special file,  
 containing shell commands, that you create and name makefile)  
  
4.) Now we compile PHP with APACHE  
 #> cd /opt/stuff  
 #> tar -zxvf mirror  
 #> cd php-5.4.4  
   
 What is apxs?  
 Ans. -> apxs is a tool for building and installing extension modules for the Apache HyperText Transfer  
 Protocol (HTTP) server. This is achieved by building a dynamic shared object (DSO) from one or more source  
 or object files which then can be loaded into the Apache server under runtime via the LoadModule directive  
 from mod\_so.  
   
 For more about apache apxs refer this site -> http://httpd.apache.org/docs/2.2/programs/apxs.html  
   
 #> ./configure --with-apxs=/opt/httpd/bin/apxs --with-mysql --prefix=/usr/local/apache/php\  
 --with-config-file-path=/usr/local/apache/php --enable-force-cgi-redirect --disable-cgi\  
 --with-zlib --with-gettext --with-gd  
 #> make && make install  
   
5.) Now go in configuration file off apache  
 #> cd /opt/httpd/conf/  
 #> vim httpd.conf  
   
 Add Below lines in conf file of apache  
   
   
 LoadModule php5\_module  modules/libphp5.so  
 AddHandler php5-script  .php  
  
 Configuring the Default Index Page  
   
 DirectoryIndex index.html  
 change it to:  
 DirectoryIndex index.php index.html  
  
6.) Testing Your PHP Installation  
  
      Create index.php in document root and add Following Line:  
 <?php phpinfo(); ?>  
  
  
Check In Browser.  
http://<Server-IP>/index.php  
   
Done  
Your APACHE with PHP compilation is done.