

Install Mod PHP, Hypertext Preprocessor & PHP Extensions

Synopsis:

PHP is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML. PHP 5.6 and 7.0 became EoL (end of life) at the end of 2018. Version 7.1 will be supported until the end of 2019. PHP 7.2 will be supported until the end on 2020. For a new server, it is suggested to install PHP 7.4.

I. Installation

```
#  
# cd /usr/ports/www/mod_php74 && make install clean  
#
```

The options screen will be displayed.

```
+----- mod_php74-7.4.11 -----+  
| +-----+ |  
| |+[ ] AP2FILTER  Use Apache 2.x filter interface (experimental) | |  
| |+[ ] PHPDBG    Interactive PHP debugger | |  
| |+[ ] DEBUG     Build with debugging support | |  
| |+[ ] DTRACE    Build with Dtrace probes | |  
| |+ [x] IPV6     IPv6 protocol support | |  
| |+ [x] MYSQLND  Build with MySQL Native Driver | |  
| |+ [x] LINKTHR  Link thread lib (for threaded extensions) | |  
| |+[ ] ZTS      Force Zend Thread Safety (ZTS) build | |  
| +-----+ |  
+-----+  
| < OK > <Cancel> |  
+-----+
```

Use the up/down arrow keys to select or deselect an option, press [space] to modify the option. Press [tab] to select 'OK' and press [Enter].

Leave options:

Now the actual installation will proceed. The process takes around 40 minutes to compile and install the program on a Celeron 1.6G system. Remember to add the following to the end of your Apache configuration file, if you haven't already:

```
<FilesMatch "\.php$">  
    SetHandler application/x-httpd-php  
</FilesMatch>  
<FilesMatch "\.phps$">  
    SetHandler application/x-httpd-php-source  
</FilesMatch>
```

II. PHP.INI configuration

```
#  
# cd /usr/local/etc  
# cp php.ini-production php.ini  
#
```

III. Install PHP72 Extensions

```
#  
# cd /usr/ports/lang/php74-extensions && make install clean  
#
```

Add the following compile options that support most common CMS such as Wordpress, Joomla, Drupal, Gallery, etc.

BZ2 CTYPE CURL DOM EXIF FILEINFO FILTER GD GETTEXT ICONV INTL JSON LDAP
MBSTRING MYSQLI OPCACHE OPENSSE PDF PDO PDO_MYSQL PDO_SQLITE PHAR
POSIX SESSION SIMPLEXML SOCKETS SODIUM SQLITE3 TIDY TOKENIZER XML
XMLREADER XMLWRITER ZIP ZLIB

The compile process for PHP extensions will take well over one hour to compile and install the programs on the Celeron 1.6G system. In a FAMP (FreeBSD Apache MySQL PHP) system, this compile will be the longest and most stressful on the hardware.