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FreeBSD: Install PHP xcache Opcode Cacher

by [nixCraft](#) on [October 4, 2008](#) · [2 comments](#) · last updated at [October 4, 2008](#)

Q. How do I install and configure xcache under FreeBSD operating systems for Apache, lighttpd or nginx web server?



A. XCache is a fast, stable php opcode cacher that has been tested and now running on production server under high load.



FreeBSD install xcache

xcache can be installed using FreeBSD ports system or pkg_add command itself. First, update ports tree:

```
# portsnap fetch update
```

Install xcache, enter:

```
# cd /usr/ports/www/xcache
```

```
# make install clean
```

Enable xache

To enable xcache copy the /usr/local/share/examples/xcache/xcache.ini config file into /usr/local/etc/php/ and modify it to suit your needs, enter:

```
# cp /usr/local/share/examples/xcache/xcache.ini /usr/local/etc/php/
```

```
# cd /usr/local/etc/php/
```

```
# vi xcache.ini
```

Set xcache.size and other parameters as per your requirements. Here is my sample xcache for FreeBSD 7 with quad core CPU and 4GiG RAM:

[xcache-common]

```
extension = xcache.so
```

[xcache.admin]

```
xcache.admin.enable_auth = On
xcache.admin.user = "admin"
; xcache.admin.pass = md5($your_password)
xcache.admin.pass = ""
```

[xcache]

```
; ini only settings, all the values here is default unless explained

; select low level shm/allocator scheme implemenation
xcache.shm_scheme = "mmap"
; to disable: xcache.size=0
; to enable : xcache.size=64M etc (any size > 0) and your system mmap allows
xcache.size = 512M
; set to cpu count (cat /proc/cpuinfo |grep -c processor)
xcache.count = 4
; just a hash hints, you can always store count(items) > slots
xcache.slots = 8K
; ttl of the cache item, 0=forever
xcache.ttl = 0
; interval of gc scanning expired items, 0=no scan, other values is in seconds
xcache.gc_interval = 0
```

```
; same as aboves but for variable cache
```

```
xcache.var_size = 128M
xcache.var_count = 1
xcache.var_slots = 8K
; default ttl
xcache.var_ttl = 0
xcache.var_maxttl = 0
xcache.var_gc_interval = 300
```

```
xcache.test = Off
```

```
; N/A for /dev/zero
```

```
xcache.readonly_protection = Off
```

```
; for *nix, xcache.mmap_path is a file path, not directory.
```

```
; Use something like "/tmp/xcache" if you want to turn on ReadonlyProtection
```

```
; 2 group of php won't share the same /tmp/xcache
```

```
; for win32, xcache.mmap_path=anonymous map name, not file path
```

```
xcache.mmap_path = "/dev/zero"
```

```
; leave it blank(disabled) or "/tmp/phpcore/"
```

```
; make sure it's writable by php (without checking open_basedir)
```

```
xcache.coredump_directory = ""
```

```
; per request settings
```

```
xcache.cacher = On
```

```
xcache.stat = On
```

```
xcache.optimizer = Off
```

[xcache.coverager]

```
; per request settings
```

```
; enable coverage data collecting for xcache.coveragedump_directory and xcache_coverager_start/stop/g
```

```
xcache.coverager = Off
```

```
; ini only settings
```

```
; make sure it's readable (care open_basedir) by coverage viewer script
```

```
; requires xcache.coverager=On
```

```
xcache.coveragedump_directory = ""
```

Restart web server

Type the following command to restart **apache22**:

```
# /usr/local/etc/rc.d/apache22 restart
```

If you are using **nginx** web server, enter:

```
# /usr/local/etc/rc.d/nginx restart
```

If you are using **lighttpd** web server, enter:

```
# /usr/local/etc/rc.d/lighttpd restart
```



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[1](#) xca December 20, 2008 at 3:24 pm

thx for this

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[2](#) reime September 2, 2009 at 3:02 am

usefull information.

Thanks bro.

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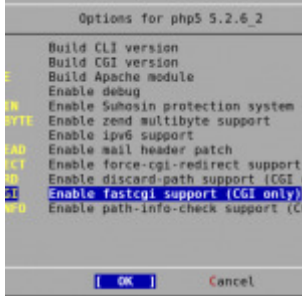






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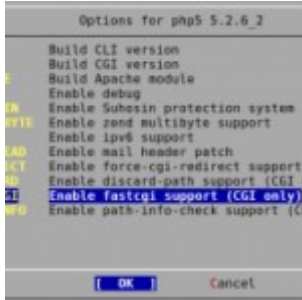
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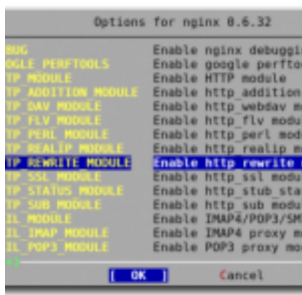
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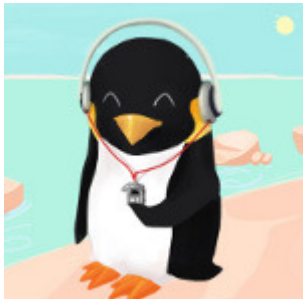
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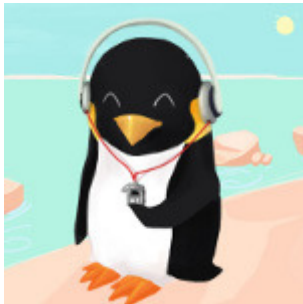


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