

Configuring PHP-FPM on EA4

- Per-user Pools

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The walkthrough below will attempt to setup PHP FPM running on PHP 5.6 with a user pool. This setup is recommended for shared servers.

1. EA4 RPM installation

```
# yum install ea-apache24-mod_proxy_fcgi ea-php56-php-fpm
```

2. Create a run directory for FPM in /var

```
# mkdir -p /home/${user}/run/
```

3. Create a copy of `www.conf` file for the specific PHP version

```
# cd /opt/cpanel/ea-php56/root/etc/php-fpm.d/  
# cp www.conf ${user}.conf
```

4. Make the following changes in `$(user).conf`

- On line 2, adjust the pool name (best to use the username)

```
; Start a new pool named 'www'.  
[perk]
```

- On line 12, change the path to the listening socket to the directory we created earlier

```
listen = /home/${user}/run/php56-fpm.sock
```

- Change line 31 to the user so the init script will set the permissions for the unix socket correctly

```
listen.owner = ${user}  
listen.group = nobody
```

- Around line 35, adjust the user and group that will own the processes

```
; Unix user/group of processes  
; Note: The user is mandatory. If the group is not set, the default user's  
group  
; will be used.  
; RPM: apache Chooosed to be able to access some dir as httpd  
user = ${user}  
; RPM: Keep a group allowed to write in log dir.  
group = ${user}
```

- On line 219, change the error log directory

```
php_admin_value[error_log] = /home/${user}/logs/ea-php56-php-fpm.log
```

5. Start PHP-FPM service

```
# /etc/init.d/ea-php56-php-fpm start
Starting php-fpm: [ OK ]
```

- a. You should see FPM processes for both the Apache user and the user you created the pool from. In the example below, I setup a pool for the user 'perk'

```
# ps fuax | grep fpm
root      4352  0.0  0.0 103304   864 pts/0    S+   15:44   0:00
\_ grep fpm
root      3536  0.0  0.1 184536   4236 ?        Ss   15:17   0:00 php-fpm:
master process (/opt/cpanel/ea-php56/root/etc/php-fpm.conf)
perk      3537  0.0  0.1 184472   5140 ?        S    15:17   0:00 \_
php-fpm: pool perk
perk      3538  0.0  0.1 184472   5140 ?        S    15:17   0:00 \_
php-fpm: pool perk
perk      3539  0.0  0.1 184332   3864 ?        S    15:17   0:00 \_
php-fpm: pool perk
perk      3540  0.0  0.1 184332   3860 ?        S    15:17   0:00 \_
php-fpm: pool perk
perk      3541  0.0  0.1 184332   3860 ?        S    15:17   0:00 \_
php-fpm: pool perk
apache    3542  0.0  0.1 184332   3452 ?        S    15:17   0:00 \_
php-fpm: pool www
apache    3543  0.0  0.1 184332   3452 ?        S    15:17   0:00 \_
php-fpm: pool www
apache    3544  0.0  0.1 184332   3452 ?        S    15:17   0:00 \_
php-fpm: pool www
apache    3545  0.0  0.1 184332   3452 ?        S    15:17   0:00 \_
php-fpm: pool www
apache    3546  0.0  0.1 184332   3452 ?        S    15:17   0:00 \_
php-fpm: pool www
```

6. Add the following lines in the user's Apache include file.

USERACCOUNT is the user's account; VHOST is the name of the virtual host in question; /home/USERACCOUNT/public_html is the virtual host's documentroot path

```
# mkdir -p /etc/apache2/conf.d/userdata/{std,ssl}/2_4/USERACCOUNT/VHOST ( e.g
/etc/apache2/conf.d/userdata/std/2_4/fpmtestuser/fpmtestdomain.com/fpm.conf )
# vi /etc/apache2/conf.d/userdata/std/2_4/USERACCOUNT/VHOST/fpm.conf
Add the following block to this file:
<IfModule proxy_fcgi_module>
    ProxyPassMatch "^/(.*\.php(/.*?))$"
"unix:/home/${user}/run/php56-fpm.sock|fcgi://localhost/home/${user}/public_html"
    DirectoryIndex index.php
</IfModule>
```

7. Copy userdata/std fpm.conf to userdata/ssl include directory

```
# cp /etc/apache2/conf.d/userdata/std/2_4/USERACCOUNT/VHOST/fpm.conf
/etc/apache2/conf.d/userdata/ssl/2_4/USERACCOUNT/VHOST/fpm.conf
```

8. Rebuild httpd.conf to uncomment the include files

```
# /scripts/rebuildhttpdconf
```

9. Restart Apache

```
# /scripts/restartsrv_httpd
```

10. A PHP page is served by FPM/FastCGI: <http://vhostdomain.test/index.php>

	--without-gettext --without- '--disable-sockets' '--disable- sysvsem'
Server API	FPM/FastCGI
Virtual Directory	disabled