

PHP FPM Logging

PHP FPM is a separate daemon and passes its logs to apache by default and they will be included in apache logs. However, apache does not support line breaks in those logs which makes the log entries very difficult to read. To avoid this, php fpm can be configured to log into its own files instead.

This is for php8.2 on debian

```
vi /etc/php/8.2/fpm/pool.d/www.conf
access.log = /var/log/php/fpm-access.log
catch_workers_output = yes
php_flag[display_errors] = off
php_admin_value[error_log] = /var/log/php/fpm-error.log
php_admin_flag[log_errors] = on

mkdir -p /var/log/php
touch /var/log/php/fpm-access.log
touch /var/log/php/fpm-error.log
chown -R www-data:www-data /var/log/php

/etc/init.d/php8.2-fpm restart

a2enmod proxy_fcgi setenvif
a2enconf php8.2-fpm
systemctl reload apache2
```

source: <https://ypereirareis.github.io/blog/2017/02/20/php-fpm-cli-error-log/>

Log rotation daily or when logfile reaches 200M in size:

```
vi /etc/logrotate.d/php8.2-fpm
```

add the following:

```
/var/log/php/fpm-*.log {
    rotate 5
    daily
    maxsize 200M
    missingok
    notifempty
    compress
    delaycompress
    postrotate
        if [ -x /usr/lib/php/php8.2-fpm-reopenlogs ]; then
            /usr/lib/php/php8.2-fpm-reopenlogs;
        fi
    endscript
}
```

then restart logrotate:

```
service logrotate restart
```

email unique php errors of php fpm logs: Requirement:

```
apt-get install logtail
```

[phperrors.sh](#)

```
#!/bin/bash
# Mail out PHP errors that are in the apache error log.

errorLog=/var/log/php/fpm-error.log
email=postmaster@example.com # Send report here

#FPM Logging
errors=$(/usr/sbin/logtail2 $errorLog | grep "PHP " | awk -F'] PHP ' '{print $2}')
errors=$(echo "$errors" | sort | uniq | rev | sort -k4 | rev)

# Check that we actually have some errors
if [ -n "$errors" ]
then
    echo "$errors" | mail "$email" -s "Apps PHP Log entries `date +%Y-%m-%d %H:%M`"
fi
```

Make executable

```
chmod 755 phperrors.sh
```

add to crontab

```
#PHP Errors
0 21 * * * /root/phperrors.sh >/dev/null 2>&1
```

From:
<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:
<http://wuff.dyndns.org/doku.php?id=php:php-fpm-logging>

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