

nginx 502 Bad Geteway

30, 502

(apache) 502

ini_set('log_errors', 1);

ini_set('error_reporting', E_ALL);

ini_set('error_log', 'log/php_error.log');

error_log

ChatGpt

ChatGpt

nginx 502 Bad Geteway (php-fpm “stderr ”)

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nginx + PHP-FPM buffer

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Apache (mod_php)

-
nginx 502

-
error_log

php-fpm “stderr + worker / pipe broken”

502

nginx + php-fpm pipe

Apache
-
mod_php PHP Apache

nginx 502 Bad Gateway (php-fpm “stderr”)

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Notice / Warning / Undefined variable Apache error_log →

Nginx

nginx ←fastcgi pipe→ php-fpm worker ← PHP script

PHP

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php-fpm worker STDERR

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php-fpm 「」 log、 log

php-fpm error stderr

worker

1.

(block)

2.

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crash / exit

3.

nginx → nginx 502

30 Notice

→ Notice STDERR

→ php-fpm error_log

→ STDERR buffer

→ php-fpm worker

→ nginx 「」 → 502

+ php-fpm worker 502

Apache log →

```
ini_set('log_errors', 1); ini_set('error_reporting', E_ALL); ini_set('error_log', SERVERPATH . 'log/php_error.log');
```

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PHP stderr

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→ **php-fpm** **stderr buffer**

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php-fpm worker 、

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Nginx 502

100% 。

「」 → code

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→

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nginx 502 Bad Gateway (php-fpm “stderr”)

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30 → Notice 30

-

Notice stderr

-

stderr pipe buffer

-

buffer 64 KB 128 KB

→ php-fpm worker →

→ nginx header →**502**

「」 → Notice → → 502。

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Nginx + php-fpm stderr log 100% 502

Apache mod_php。

nginx 502 Bad Gateway (php-fpm “stderr”)

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```
for ($i=0; $i<5000; $i++) {    trigger_error("test $i", E_USER_NOTICE); } echo "done";
```

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error_log

-

php-fpm log

nginx

-

502

-

"upstream prematurely closed connection"

apache 「done」。

nginx 502 Bad Gateway (php-fpm “stderr”)

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nginx/php-fpm

stderr blocking / pipe full

php-fpm issue

If PHP writes too many notices/warnings to STDERR
and FPM cannot dispatch them (no permission, no log file),
then the worker will block or exit.
Nginx will return 502 because upstream crashed.

「header」

「」

「nginx」

undefined variable / notice
→ PHP STDERR

nginx 502 Bad Gateway (php-fpm “stderr”)

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→ php-fpm log
→ STDERR pipe → worker
→ worker /
→ nginx → **502 Bad Gateway**

PHP
PHP

```
ini_set('log_errors', 1); ini_set('error_log', SERVERPATH . 'log/php_error.log');
```

→ php-fpm →

nginx php-fpm killer bug

PHP

-

AJAX 502

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502

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server

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Apache Nginx 502

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90% stderr .

debug Nginx/PHP-fpm .