

1) Установить Nginx и настроить его на работу с PHP-FPM.

- apt install nginx
- nginx -t

результат:

nginx: the configuration file /etc/nginx/nginx.conf syntax is ok

nginx: configuration file /etc/nginx/nginx.conf test is successful

- apt install php-fpm
- ps afx

в выводе есть процессы

```
25726 ?    Ss   0:00 php-fpm: master process (/etc/php/7.4/fpm/php-fpm.conf)
```

```
25743 ?    S    0:00 \_ php-fpm: pool www
```

```
25744 ?    S    0:00 \_ php-fpm: pool www
```

- cd /etc/php/7.4/fpm/pool.d
- nano www.conf

копируем путь – «/run/php/php7.4-fpm.sock»

- cd :/etc/nginx/sites-available

добавляем в файл default настройки для php-fpm

```
location ~ \.php$ {
    include snippets/fastcgi-php.conf;
    root /var/www/html;

    fastcgi_pass unix:/var/run/php/php7.4-fpm.sock;
}
```


Создаем тестовый файл в /var/www/html info.php со скриптом

```
<?php
phpinfo();
?>
```

PHP 7.4 x Apache x Обуче x Веб-се x Урок 6 x Текст к x Ubuntu x +


Не защищено | 192.168.1.65/info.php

Яндекс Контур.Экстерн <h2 style="font-sty... Жукова Ольга Вит... Жукова Ольга Вит... Фонд капиталн... Другие закладки

PHP Version 7.4.3-4ubuntu2.18


System	Linux ubuntu-server 5.4.0-146-generic #163-Ubuntu SMP Fri Mar 17 18:26:02 UTC 2023 x86_64
Build Date	Feb 23 2023 12:43:23
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/fpm
Loaded Configuration File	/etc/php/7.4/fpm/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/fpm/conf.d
Additional .ini files parsed	/etc/php/7.4/fpm/conf.d/10-opcache.ini, /etc/php/7.4/fpm/conf.d/10-pdo.ini, /etc/php/7.4/fpm/conf.d/20-calendar.ini, /etc/php/7.4/fpm/conf.d/20-ctype.ini, /etc/php/7.4/fpm/conf.d/20-exif.ini, /etc/php/7.4/fpm/conf.d/20-ffi.ini, /etc/php/7.4/fpm/conf.d/20-fileinfo.ini, /etc/php/7.4/fpm/conf.d/20-ftp.ini, /etc/php/7.4/fpm/conf.d/20-gettext.ini, /etc/php/7.4/fpm/conf.d/20-iconv.ini, /etc/php/7.4/fpm/conf.d/20-json.ini, /etc/php/7.4/fpm/conf.d/20-phar.ini, /etc/php/7.4/fpm/conf.d/20-posix.ini, /etc/php/7.4/fpm/conf.d/20-readline.ini, /etc/php/7.4/fpm/conf.d/20-shmop.ini, /etc/php/7.4/fpm/conf.d/20-sockets.ini, /etc/php/7.4/fpm/conf.d/20-sysvmsg.ini, /etc/php/7.4/fpm/conf.d/20-sysvsem.ini, /etc/php/7.4/fpm/conf.d/20-sysvshm.ini, /etc/php/7.4/fpm/conf.d/20-tokenizer.ini
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902,NTS
PHP Extension Build	API20190902,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, convert.iconv.*

This program makes use of the Zend Scripting Language Engine:
 Zend Engine v3.4.0, Copyright (c) Zend Technologies
 with Zend OPcache v7.4.3-4ubuntu2.18, Copyright (c), by Zend Technologies



2) Установить Apache. Настроить обработку PHP. Добиться одновременной работы с Nginx.

- apt install apache2
- nano /etc/apache2/ports.conf

Меняем порт на 8080 (Listen 8080)

- apachectl -t

результат:

AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

Syntax OK

- systemctl start apache2
- nano /etc/apache2/sites-available/000-default.conf

Меняем порт на 8080 (<VirtualHost *:8080>)

- apachectl -t
- systemctl reload apache2

3) Настроить схему обратного прокси для Nginx (динамика - на Apache).

- cd /etc/nginx/sites-enabled/
- nano default

Добавляем локйшны

```
location / {
    proxy_pass http://localhost:8080;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Real-IP $remote_addr;
}
#location ~* ^.(jpg|jpeg|gif|png|ico|css|zip|pdf|txt|tar|js)$ {
    #root /var/www/html;
#}
```

- nginx -t
- systemctl reload nginx

4) Установить MySQL. Создать новую базу данных и таблицу в ней.

- apt install mysql-server-8.0
- mysql
- use mysql
- CREATE DATABASE newbase;
- CREATE TABLE test(i INT);
- INSERT INTO test (i) VALUES (1),(2),(3),(4);
- SELECT * FROM test;