

PHP

????????php

- [PHP?????](#)
 - [Ubuntu???PHP????????????????](#)
 - [Ubuntu 24.04?php????????](#)
 - [PHP????????????????](#)
 - [PHP???Composer????????](#)
- [PHP?????](#)
 - [PHP8.1???memcache?APCu???](#)

PHP?????

Ubuntu???PHP????????????

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1. ??????????
2. ??????????
3. ??????????

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- ???????

Ubuntu20.04?????????PHP7.4???????????????

- ?????????????

PHP8.1????????????

- PHP8.1???????

- Web????????PHP????????????

```
sudo aptitude install php8.1-  
{opcache,pdo,bcmath,calendar,ctype,fileinfo,ftp,gd,intl,json,ldap,mbstring,mysql,posix,readline,sockets,bz2,toker  
nizer,zip,curl,iconv,phar,xml,dev,imagick,gmp}
```

????????????

- Web???????

```
sudo systemctl restart apache2.service
```

- PHP???????

```
php -v
```

```
PHP 8.1.27 (cli) (built: Dec 21 2023 20:19:26) (NTS)
```

```
Copyright (c) The PHP Group
```

```
Zend Engine v4.1.27, Copyright (c) Zend Technologies
```

```
with Zend OPcache v8.1.27, Copyright (c), by Zend Technologies
```

PHP????

Ubuntu 24.04?php?????????

?Nextcloud??LAMP?????????Ubuntu 24.04?????????

????php8.3????????????????

?????????

- 1. ?????????
- 2. php????????????????
- 3. Nextcloud????????????

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- php?????

```
sudo add-apt-repository ppa:ondrej/php
```

- ?????????

```
sudo aptitude update
```

?????????

- php??

```
sudo aptitude install php8.3
```

- ??????(APCu?Memcached)

```
sudo aptitude memcached php8.3-apcu
```

- Web?????????(MySQL????)

```
sudo aptitude install php8.3-
{opcache,pdo,bcmath,calendar,ctype,fileinfo,ftp,gd,intl,json,ldap,mbstring,mysql,posix,readline,sockets,bz2,tok
nizer,zip,curl,iconv,phar,xml,dev,imagick,gmp}
```

- Web?????????(Postgres????)

```
sudo aptitude install php8.3-
{opcache,pdo,bcmath,calendar,ctype,fileinfo,ftp,gd,intl,json,ldap,mbstring,pgsql,pdo_pgsql,posix,readline,socket
```

```
s,bz2,tokenizer,zip,curl,iconv,phar,xml,dev,imagick,gmp}
```

- ???????

```
php -v
```

```
PHP 8.3.11 (cli) (built: Aug 30 2024 09:28:18) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.3.11, Copyright (c) Zend Technologies
    with Zend OPcache v8.3.11, Copyright (c), by Zend Technologies
```

2024/09/06??????????

OPcache?APCu????

Nextcloud????????????????????????????????

- ???????

```
sudo mv /etc/php/8.3/mods-available/opcache.ini /path/to/backup/directory/opcache.ini.$(date +%Y%m%d)
```

```
sudo mv /etc/php/8.3/mods-available/apcu.ini /path/to/backup/directory/apcu.ini.$(date +%Y%m%d)
```

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- ?????????

```
cat <<- __EOF__ | sudo tee -a /etc/php/8.3/mods-available/opcache.ini
; configuration for php opcache module
; priority=10
zend_extension=opcache.so
opcache.enable=1
opcache.enable_cli=1
opcache.interned_strings_buffer=16
opcache.max_accelerated_files=10000
opcache.memory_consumption=256
opcache.save_comments=1
opcache.revalidate_freq=1
__EOF__
```

```
cat <<- __EOF__ | sudo tee -a /etc/php/8.3/mods-available/apcu.ini
extension=apcu.so

[apcu]
```

```
apc.enabled=1
apc.shm_size=32M
apc.ttl=7200
apc.enable_cli=1
apc.serializer=php
__EOF__
```

? ??????????????

- ???

```
sudo systemctl restart apache2.service
```

- Apache???

```
systemctl status apache2.service
```

active (running) ??????

PHP????

PHP????????????????

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Nextcloud???Web????????128MB????????php.ini????

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- Ubuntu 20.04
- Ubuntu 22.04

????????PHP 8.1?apache????

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php.ini????????

- ???????

```
sudo cp -pi /etc/php/8.1/apache2/php.ini /path/to/backup/php.ini.$(date +%Y%m%d)
```

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- ???????

```
diff -u /etc/php/8.1/apache2/php.ini /path/to/backup/php.ini.$(date +%Y%m%d)
```

????????????????????

php.ini??

- sed????????

```
sudo sed -i 's/memory_limit = 128M/memory_limit = 512M/g' /etc/php/8.1/apache2/php.ini
```

memory_limit?512M?????(Nextcloud????????)

- ????

```
diff -u /path/to/backup/php.ini.$(date +%Y%m%d) /etc/php/8.1/apache2/php.ini
```

- ??


```
-memory_limit = 128M  
+memory_limit = 512M
```

???

- apache ??

```
sudo systemctl restart apache2.service
```

PHP????

PHP???Composer??????????

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LAMP?????Composer??????????

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- Ubuntu 20.04
- Ubuntu 22.04

?????????????PHP 8.1?Apache????

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Composer????????????????

- ?????????????

```
sudo php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
```

- ?????

```
sudo php composer-setup.php
```

- ?????????????

```
sudo php -r "unlink('composer-setup.php');"
```

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- composer??

```
sudo mv composer.phar /usr/local/bin/composer
```

- ?????

```
sudo chmod +x /usr/local/bin/composer
```

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- ???

which composer

/usr/local/bin/composer ??????

- ??????

composer -V

Composer version 2.6.6 2023-12-08 18:32:26 ??????????????????????

PHP?????

PHP????

PHP8.1 ???memcache?APCu????

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Nextcloud???????memcache?APCu??????????

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- Ubuntu 20.04
- Ubuntu 22.04

????PHP 8.1???????apache????

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```
cd /etc/php/8.1/cli/conf.d
```

memcache????????????

```
cat <<- __EOF__ | sudo tee -a /etc/php/8.1/cli/conf.d/10-opcache.ini
opcache.enable=1
opcache.enable_cli=1
opcache.interned_strings_buffer=16
opcache.max_accelerated_files=10000
opcache.memory_consumption=128
opcache.save_comments=1
opcache.revalidate_freq=1
__EOF__
```

apcu????????????

```
cat <<- __EOF__ | sudo tee -a /etc/php/8.1/cli/conf.d/20-apcu.ini
[apcu]
apc.enabled=1
apc.shm_size=32M
```

```
apc.ttl=7200
apc.enable_cli=1
apc.serializer=php
__EOF__
```

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```
sudo systemctl restart apache2.service
```

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```
php -m | grep apcu
```

```
php -m | grep memcache
```

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