

Ubuntu 22.04

Nextcloud PHP 8.1 8.2

- Ubuntu 22.04
- PHP 8.1
- Apache 2.4
- MySQL

Nextcloud 30.x

“ One or more mimetype migrations are available. Occasionally new mimetypes are added to better handle certain file types. Migrating the mimetypes take a long time on larger instances so this is not done automatically during upgrades. Use the command `occ maintenance:repair --include-expensive` to perform the migrations.

PHP 8.1.31 PHP 8.1 Nextcloud 30 Nextcloud 31 PHP 8.2
PHP PHP PHP PHP

Nextcloud
occ db:add-missing-indices
"fs_name_hash" "filecache".

Web

1. Nextcloud
2. NextcloudDB
3. PHP8.2
4. PHP8.2
5. PHP8.1PHP8.2

6. ?????????
7. Nextcloud????????????
8. ???????

????????

- Nextcloud????

```
cd /path/to/nextcloud/root/directory && pwd
```

????????(??? /home/www-data/nextcloud)

- ???????

```
sudo -u www-data php occ maintenance:mode --on
```

- ???????

???Nextcloud?URL????????????????????

mysqldump????

- ???????

```
cd /hoge && pwd
```

????????

- DB????

```
mysqldump -h localhost -u nextcloud -p --no-tablespaces --single-transaction nextcloud >  
nextcloud_backup.$(date +%Y%m%d).sql
```

DB????

- DB????

```
ls -la nextcloud_backup.$(date +%Y%m%d).sql
```

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- PHP8.2????

```
sudo aptitude install php8.2
```

? ??aptitude????apt?OK??

- PHP??????????

```
sudo aptitude install php8.2-  
{opcache,pdo,bcmath,calendar,ctype,fileinfo,ftp,gd,intl,json,ldap,mbstring,mysql,posix,readline,sockets,bz2,tokener,  
zip,curl,iconv,phar,xml,dev,imagick,gmp}
```

- PHP8.2??

```
sudo aptitude install libapache2-mod-php8.2
```

- PHP8.1???

```
sudo a2dismod php8.1
```

- PHP8.2???

```
sudo a2enmod php8.2
```

- Apache???

```
sudo systemctl reload apache2.service
```

- PHP??????????

```
php -v
```

???

```
PHP 8.2.27 (cli) (built: Jan 2 2025 15:36:15) (NTS)
```

Nextcloud????PHP??????????

- memcache?APCu????

```
cd /etc/php/8.2/cli/conf.d
```

```
cat <<- __EOF__ | sudo tee -a /etc/php/8.2/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__
```

```
cat <<- __EOF__ | sudo tee -a /etc/php/8.2/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__
```

- php.ini?????

```
sudo cp -pi /etc/php/8.2/apache2/php.ini /path/to/backup/php.ini.$(date +%Y%m%d)
```

????????????????????(???) /etc/old/)

- ????????

```
diff -u /etc/php/8.2/apache2/php.ini /path/to/backup/php.ini.$(date +%Y%m%d)
```

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

- sed??????????

```
sudo sed -i 's/memory_limit = 128M/memory_limit = 512M/g' /etc/php/8.2/apache2/php.ini
```

memory_limit?????512M????????

- ??????????

```
diff -u /path/to/backup/php.ini.$(date +%Y%m%d) /etc/php/8.2/apache2/php.ini
```

- ??

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

- apache ???

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

Nextcloud?????

- Nextcloud??????????

```
cd /path/to/nextcloud/root/directory && pwd
```

??????????

- DB??

```
sudo -u www-data php8.2 occ maintenance:repair --include-expensive
```

- DB??

```
sudo -u www-data php8.2 occ db:add-missing-indices
```

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

```
sudo -u www-data php8.2 occ maintenance:mode --off
```

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

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- PHP8.2??

```
sudo a2dismod php8.2
```

- PHP8.1??

```
sudo a2enmod php8.1
```

- Apache??

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

- PHP????

```
php -v
```

? 8.1????????????

- ???????DB????????

```
ls -l /hoge/nextcloud_backup.$(date +%Y%m%d).sql
```

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

```
head -100 /hoge/nextcloud_backup.$(date +%Y%m%d).sql
```

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

- ?????MySQL????

```
mysql -u root -p
```

- ??DB??

```
SHOW DATABASES;
```

nextcloud????DB????????

- ?????DB??

```
SELECT COUNT(*) FROM nextcloud.oc_users;
```

- ?????DB??

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

```
DROP DATABASE nextcloud;
```

- DB??

```
CREATE DATABASE IF NOT EXISTS nextcloud CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci;
```

- MySQL??

```
EXIT
```

- DB??

```
mysql -h localhost -u nextcloud -p nextcloud < /hoge/nextcloud_backup.$(date +%Y%m%d).sql
```

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

????????DB??

??SQL????????

- ???????

```
cd /hoge && pwd
```

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

- DB??????

```
ls -la nextcloud_backup.$(date +%Y%m%d).sql
```

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

- ??????DB??

```
shred -u nextcloud_backup.$(date +%Y%m%d).sql
```

- DB????????

```
ls -la nextcloud_backup.$(date +%Y%m%d).sql
```

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