

Nextcloud??

- [Nextcloud?External Storage?????Array to string conversion?????](#)
- [Nextcloud?DB?????????](#)
- [Nextcloud?????????????????](#)
- [Ubuntu 22.04??Nextcloud?PHP?8.1?8.2?????????](#)

Nextcloud?External Storage?????Array to string conversion?????

?????

Nextcloud 28.x????????????????????????????????????

“ Array to string conversion at /var/www/html/nextcloud/lib/private/Files/Cache/Scanner.php#224

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

??????????

1. Nextcloud 28.x???????????
2. External Storage???????????????
3. ?????????S3????S3????????????????????????????
4. ?????????????????????????????

?:[Nextcloud Hub 8, copying files to an External Storage configured as primary storage isn't reliable](#)

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- Ubuntu 20.04
- Nextcloud 29.0.0
- PHP 8.1
- Apache 2.4
- ?????????????????wasabi???

???

??issue?

“ Pretty sure this would be fixed by #43794. At least in my limited testing using the merge request as a patch: <https://patch-diff.githubusercontent.com/raw/nextcloud/server/pull/43794.diff>

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

????????

1. root????
2. ?????????
3. ????????
4. Apache????

root?

```
sudo su -
```

Nextcloud?www-data????????????????????????????????????

???????

- Nextcloud????????

```
cd /var/www/html/nextcloud && pwd
```

????????

```
cd lib/private/Files/Cache
```

????????

- Scanner.php????

```
cp -pi Scanner.php /path/to/backup/directory/Scanner.php.$(date +%Y%m%d)
```

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

- ?????

```
diff -u Scanner.php /path/to/backup/directory/Scanner.php.$(date +%Y%m%d)
```

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

????

- wget????

```
sudo -u www-data wget https://patch-diff.githubusercontent.com/raw/nextcloud/server/pull/43794.diff
```

- ????

```
sudo -u www-data patch < 43794.diff
```

```
patching file Scanner.php ??????OK???
```

???????

- ????

```
diff -u /path/to/backup/directory/Scanner.php.$(date +%Y%m%d) Scanner.php
```

- ????

```
    }

    // Only update metadata that has changed
-   $newData = array_diff_assoc($data, $cacheData->getData());
-
+   // i.e. get all the values in $data that are not present in the cache already
+   // NOTE: we serialize then unserialize here because array_diff_assoc() doesn't
+   // support multidimensional arrays on its own (and otherwise internally casts any
+   // embedded array elements to attempt to compare them - not only generating
warnings
+   // like "Array to string conversion" but also, as a result, overlooking real
differences)
+
+   $newData = array_diff_assoc(
+       array_map('serialize', $data),
+       array_map('serialize', $cacheData->getData())
+   );
+   $newData = array_map('unserialize', $newData);
+
    // make it known to the caller that etag has been changed and needs propagation
    if (isset($newData['etag'])) {
        $data['etag_changed'] = true;
    }
}
```

- Apache???

```
systemctl restart apache2.service
```

??root?????????sudo??????????

- ??????????

```
rm 43794.diff
```

???????

1. Nextcloud
- 2.

Nextcloud?DB????????

[Nextcloud??????](#)DB????

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

??????

????????????????????????????????DB????ci(Case Insentive)????bin(Binary)??????

DB??

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

- Nextcloud????????

```
cd /var/www/html/nextcloud && 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
```

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

DB???

- ?????MySQL??????

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

- ???DB????

```
SHOW DATABASES;
```

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

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

```
ALTER DATABASE nextcloud COLLATE utf8mb4_bin;
```

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

```
USE nextcloud;
```

```
SET @DATABASE_NAME = 'nextcloud';
```

DB????????????

```
SET @COLLATE = 'utf8mb4_bin';
```

```
SELECT CONCAT('ALTER TABLE ', TABLE_NAME, ' CONVERT TO CHARACTER SET utf8mb4 COLLATE ', @COLLATE,
';')
FROM INFORMATION_SCHEMA.TABLES
WHERE TABLE_SCHEMA = @DATABASE_NAME
AND TABLE_TYPE = 'BASE TABLE';
```

- MySQL????

```
EXIT
```

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

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

```
cd /var/www/html/nextcloud && pwd
```

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

- ?????????

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

- ?????????

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

???

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

- ??????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???

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

```
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??

```
rm nextcloud_backup.$(date +%Y%m%d).sql
```

- DB????????

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

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

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

Nextcloud?[Web???????](#)????????????????????????????????

??

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

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

????????????????[????????????????????](#) ?????????????????????

nextcloud_backup.sql

 ??SQL????????????????

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- Ubuntu 24.04
- Apache2.4
- php 8.3
- MySQL 8.0.39
- Nextcloud 29.0.8

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??????????

1. ????????????????
2. ????????????????????
3. ????????????????
4. ????????????????????
5. DB?????????
6. ???????????

Nextcloud???

- ??????

sudo mv /home/www-data/nextcloud /path/to/backup/directory/nextcloud.\$(date +%Y%m%d)

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

- ????

```
ls -l /path/to/backup/directory/nextcloud.$(date +%Y%m%d)
```

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

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

- ?????????

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

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

- wget??????

```
wget https://download.nextcloud.com/server/releases/nextcloud-29.0.8.zip
```

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

- ??

```
unzip nextcloud-29.0.8.zip
```

- ????

```
sudo chown -R www-data:www-data nextcloud
```

Nextcloud?Web????????

- Nextcloud??

```
sudo mv nextcloud /home/www-data/
```

??Nextcloud????????

- ????

```
ls -l nextcloud /home/www-data/nextcloud
```

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

Nextcloud??

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

```
sudo cp -pi /path/to/backup/directory/nextcloud.$(date +%Y%m%d)/config/config.php /home/www-data/nextcloud/config/
```

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

```
sudo -u www-data cp -r /path/to/backup/directory/nextcloud.$(date +%Y%m%d)/apps/* /home/www-data/nextcloud/apps/
```

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

```
sudo -u www-data cp -r /path/to/backup/directory/nextcloud.$(date +%Y%m%d)/data/* /home/www-data/nextcloud/data/
```

??`cp -r` ????? `mv` ?????????

- DB?????

```
mysql -u nextcloud -p nextcloud < /path/to/directory/nextcloud_backup.sql
```

```
-u nextcloud DB -p nextcloud DB ??????????SQL ??????????????????
```

- Web??????(Apache???)

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

- Web??????(nginx???)

```
sudo systemctl restart nginx.service
```

??????

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

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

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

```
sudo rm -rf /path/to/backup/directory/nextcloud.$(date +%Y%m%d)
```

- ???????SQL??????

```
rm /path/to/directory/nextcloud_backup.sql
```

Ubuntu 22.04??Nextcloud?PHP?8.1?8.2???

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

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

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

??

Web??

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

1. Nextcloud????????????
2. Nextcloud?????DB????????????
3. PHP8.2????????
4. PHP8.2????????
5. PHP8.1?????PHP8.2????????
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
```

????????

????????

- 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
```

????

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

????????

??

- 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
```

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