

# Nextcloud

OSS??????????

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

??

- Nextcloud?????
  - Ubuntu 20.04(22.04)?Nextcloud??????
  - Nextcloud?????????(Gmail??)
  - Nextcloud?????????(config???redis-server????)
- Nextcloud??
  - Nextcloud?External Storage?????Array to string conversion?????
  - Nextcloud?DB?????????
  - Nextcloud????????????????
  - Ubuntu 22.04??Nextcloud?PHP?8.1?8.2????????

Nextcloud?????

Nextcloud?????

# Ubuntu 20.04(22.04)?Nextcloud ???????

?????????Ubuntu20.04?/Ubuntu22.04???Nextcloud??????

??

?????????

- Ubuntu 20.04
  - Ubuntu 22.04???????????
- MySQL 8.0.33
- Apache 2.4

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

## ??????????

?SSH????????????????????

1. PHP?????????????Ubuntu20.04??PHP8.x???????????
2. PHP?????????
3. Nextcloud??DB???????
4. Nextcloud????????????????????
5. Nextcloud???????Apache?????????????
6. Web???????????????

## PHP????????????????????????

- ???????

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

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

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

```
sudo aptitude update
```

- PHP??????

```
sudo aptitude install php8.1
```

- PHP????????

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

- Apache???

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

- PHP????????

```
php -v
```

???: PHP 8.1.21 (cli) (built: Jul 8 2023 07:09:57) (NTS)

## PHP????????

- memcache?APCu???

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

```
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__
```

```
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__
```

- php.ini?????

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

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

- ???????

```
diff -u /etc/php/8.1/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/8.1/apache2/php.ini
```

memory\_limit????512M????

- ???????

```
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
```

## Nextcloud?DB??????

- MySQL?root??????

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

- MySQL????

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

```
CREATE USER 'nextcloud'@'localhost' IDENTIFIED BY 'password';
```

```
GRANT ALL PRIVILEGES ON nextcloud.* TO 'nextcloud'@'localhost';
```

```
FLUSH PRIVILEGES;
```

```
EXIT;
```

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

```
mysql -u nextcloud -p
```

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

- DB???

```
SHOW DATABASES;
```

????????nextcloud????????

```
EXIT;
```

## Nextcloud????????

- ????????

```
cd /home && pwd
```

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

- ?????

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

```
unzip latest
```

- Web????????????

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

????????????????????/home????

- ????

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

## Apache??????

- ????????

```
sudo mkdir /var/log/nextcloud
```

????????

- ?????????

```
sudo chown www-data:www-data /var/log/nextcloud
```

- nextcloud????????
  - ?????????????????

```
cat <<- __EOF__ | sudo tee -a /etc/apache2/sites-available/nextcloud.conf
<VirtualHost *:80>
    servername _ hoge.example.com_
    # _
    RewriteEngine On
        RewriteCond %{HTTPS} off
        RewriteRule ^(.*)$ https://%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
    # HTTP_ _ HTTPS_
</VirtualHost>

<VirtualHost *:443>
    ServerName _ hoge.example.com_
    # _
    CustomLog /var/log/nextcloud/nextcloud_access.log combined
    ErrorLog /var/log/nextcloud/nextcloud_error.log
    DocumentRoot _ /home/www-data/nextcloud_
    # _
    <Directory _ /home/www-data/nextcloud_ >
        # _
        Options -MultiViews
        AllowOverride All
        Require all granted
    </Directory>

    #SSL_
    SSLEngine on
    Protocols h2 http/1.1
    # SSL_

    SSLCertificateFile _ /etc/certs/hoge.example.com.crt_
    # SSL_
    SSLCertificateKeyFile _ /etc/private/hoge.example.com.key_
```

```
# [redacted]
```

```
# SSLCertificateFile /etc/certs/hoge.example.com.CA.crt
```

```
# [redacted]
```

```
# [redacted]
```

```
Header always set Strict-Transport-Security "max-age=63072000"
```

```
Header set X-Content-Type-Options "nosniff"
```

```
Header always append X-Frame-Options "SAMEORIGIN"
```

```
Header set X-XSS-Protection "1; mode=block"
```

```
</VirtualHost>
```

```
SSLProtocol          all -SSLv3 -TLSv1 -TLSv1.1 -TLSv1.2
```

```
SSLCipherSuite        ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-  
AES256-GCM-SHA384:EC6-GCM-SHA384
```

```
SSLHonorCipherOrder  off
```

```
SSLSessionTickets    off
```

```
SSLUseStapling On
```

```
SSLStaplingCache "shmcb:logs/ssl_stapling(32768)"
```

```
__EOF__
```

- Apache???????

```
sudo a2ensite nextcloud.conf
```

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

```
sudo apache2ctl configtest
```

Syntax OK?????

- Apache???

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

## ?????Nextcloud????????????????

- ?????????

?????



http://???????

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

- ?????????????
- http?https???????



管理者アカウントを作成してください

ユーザー名

パスワード

ストレージとデータベース▼  
データフォルダー

/home/www-data/nextcloud/...

データベースを設定してください

MySQL/MariaDB のみ有効です。他のデータベースタイプを選択するためには、追加の PHP モジュールインストールして有効化してください。

詳細は、ドキュメントを確認してください。 ↗

データベースのユーザー名

データベースのパスワード

データベース名

データベースのホスト名

localhost

ポート番号をホスト名とともに指定してください(例: localhost: 5432)。

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

- ????
  - ???????
- ?????
  - ???????
- ?????????
  - ???????(nextcloud)
- ?????????
  - ?????????????
- ?????
  - ???????(nextcloud)
- ?????????
  - localhost:3306
  - (MySQL?????)

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



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

# おはようございます

● ステータスを設定

☀️ 天気地域設定

## おすすめファイル



Product plan.md



Mother's day.odt



Timesheet.ods



Simple.odp



Expense report.ods



Yellow idea.odp



Business model canvas.odg

 カスタマイズ

# Nextcloud????????(Gmail??)

Nextcloudのセキュリティは、[セキュリティスキャン](#)でチェックしてください。



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

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

- ???
  - SMTP
- ??
  - NONE/STRTLS
- ?????
  - Gmail???
- ?????
  - smtp.gmail.com
- ??
  - 587

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

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

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

- Username
  - Gmail???
- ???
  - ???????????

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

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

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

# Nextcloud????????(config??? redis-server????)

?????Nextcloud?????&????????????

- “
- ???
  - ???

## ??????????

- Ubuntu 20.04
- Apache 2.4?
- PHP8.1
- Nextcloud 27.0.2
  - 728.x????????????????????2????????

## ??????????

1. ??????(redis-server)????????
2. config.php????????
3. Apache??????

## ????????????

?Nextcloud 27????????????????????

- redis????

```
sudo aptitude install redis-server php8.1-redis
```

???PHP????????????????????(??????PHP????????????)

- redis????

```
systemctl status redis-server.service
```

active (running)????

- hosts??

```
cat /etc/hosts
```

????

```
127.0.1.1    localhost
```

????????

```
127.0.0.1    localhost
```

??????Ubuntu20.04?????localhost?127.0.1.1????????????????

???????

- ???????

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

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

- ??????

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

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

- ?????????

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

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

- ??????

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

?????????);?????????

```
'default_phone_region' => 'JP',
'memcache.local' => '\OC\Memcache\APCu',
'filelocking.enabled' => true,
'memcache.locking' => '\OC\Memcache\Redis',
'redis' =>
array (
    'host' => 'localhost',
    'port' => 6379,
```



```
'timeout' => 3,  
)
```

- ???????

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

```
+ 'default_phone_region' => 'JP',
+ 'memcache.local' => '\\OC\\Memcache\\APCu',
+ 'filelocking.enabled' => true,
+ 'memcache.locking' => '\\OC\\Memcache\\Redis',
+ 'redis' =>
+ array (
+   'host' => 'localhost',
+   'port' => 6379,
+   'timeout' => 3,
+ ),
+ );
```

Web??????

- ??????

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

```
systemctl status apache2.service
```

```
# active (running)□□□□□□
```

?????

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

Nextcloud??

Nextcloud??

# 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

??

- 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??

# 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????????????

Nextcloud?Web????????????????????????????????

??

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

??

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

??

nextcloud\_backup.sql

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

??

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

????

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

??????????

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/
```

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

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

- DB?????

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

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

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

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

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

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

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

# 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 ??????????????????  
????????????????????

??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
```

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