NextCloud Problem Solutions: No Video Thumbnail

Nextcloud: Install Preview Generator

This installation guide is tested with Nextcloud up to version 16.x and Preview Generator App up to version 2.x.

Tested and working file formats

avi, doc, bmp, gif, jpg, md, mkv, mp3, mp4, odp, ods, odt, pdf, png, psd, svg, tif, ttf, txt, xls.

Update your system

```
apt upgrade && apt -y update
```

Install the Preview Generator App

of the Nextcloud app store: apps.nextcloud.com/apps/previewgenerator

Install LibreOffice

```
apt install libreoffice libreoffice-l10n-de libreoffice-help-de
```

Install ffmpeg, ImageMagick and Ghostscript

```
apt install ffmpeg imagemagick ghostscript
```

Add preview providers

Append to `/var/www/nextcloud/config/config.php`

```
'preview_libreoffice_path' => '/usr/bin/libreoffice',
'enable_previews' => true,
'enabledPreviewProviders' =>
 array (
    0 => 'OC\\Preview\\TXT',
    1 => 'OC\\Preview\\MarkDown',
    2 => 'OC\\Preview\\OpenDocument',
    3 => 'OC\\Preview\\PDF',
    4 => 'OC\\Preview\\MSOffice2003',
    5 => 'OC\\Preview\\MSOfficeDoc',
    6 => 'OC\\Preview\\Image',
    7 => 'OC\\Preview\\Photoshop',
    8 => 'OC\\Preview\\TIFF',
    9 => 'OC\\Preview\\SVG',
   10 => 'OC\\Preview\\Font',
   11 => 'OC\\Preview\\MP3',
   12 => 'OC\\Preview\\Movie',
   13 => 'OC\\Preview\\MKV',
   14 => 'OC\\Preview\\MP4',
   15 => 'OC\\Preview\\AVI',
 ),
```

Create .cache folder

on ISPConfig servers in the home directory of virtual host to prevent

```
unable to create directory '/var/www/clients/client1/web1/.cache/dconf': Operation not permitted. dconf will not
work properly
```

Only necessary for for office documents like .ods and .odt.

Fix PolicyMap for ImageMagick

to prevent ImagickException: not authorized error. Necessarry for PDF files.

First Run

```
sudo -u www-run php /var/www/nextcloud/occ preview:generate-all -vvv
```

Add Cronjob

```
crontab -u www-run -e
```

```
*/10 * * * * php /var/www/nextcloud/occ preview:pre-generate -vvv
```

My Config file:

just for debug

```php
<?php
$CONFIG = array (
  'htaccess.RewriteBase' => '/',
  'memcache.local' => '\\OC\\Memcache\\APCu',
  'apps_paths' =>
  array (
    0 =>
    array (
      'path' => '/var/www/html/apps',
      'url' => '/apps',
      'writable' => false,
    ),
    1 =>
    array (
      'path' => '/var/www/html/custom_apps',
      'url' => '/custom_apps',
      'writable' => true,
    ),
  ),
  'memcache.distributed' => '\\OC\\Memcache\\Redis',
  'memcache.locking' => '\\OC\\Memcache\\Redis',
  'redis' =>
  array (
    'host' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
    'password' => '',
    'port' => 6379,
  ),
  'upgrade.disable-web' => true,
  'instanceid' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  'passwordsalt' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  'secret' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  'trusted_domains' =>
```

array (
  0 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  1 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
),
'overwriteprotocol' => 'https',
'overwritehost' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'trustedproxies' =>
array (
  0 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  1 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
),
'datadirectory' => '/var/www/html/data',
'dbtype' => 'mysql',
'version' => '30.0.6.2',
'overwrite.cli.url' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'dbname' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'dbhost' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'dbport' => '',
'dbtableprefix' => 'oc_',
'mysql.utf8mb4' => true,
'dbuser' => 'oc_son',
'dbpassword' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'installed' => true,
'maintenance_window_start' => 8,
'mail_from_address' => 'son',
'mail_smtpmode' => 'smtp',
'mail_sendmailmode' => 'smtp',
'mail_domain' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'mail_smtphost' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'mail_smtpport' => '8025',
'default_phone_region' => 'VN',
'maintenance' => false,
'enable_previews' => true,
'preview_libreoffice_path' => '/usr/bin/libreoffice',
'enabledPreviewProviders' =>
  array (
    0 => 'OC\\Preview\\TXT',
    1 => 'OC\\Preview\\MarkDown',
    2 => 'OC\\Preview\\OpenDocument',
    3 => 'OC\\Preview\\PDF',

```
        4 => 'OC\\Preview\\MSOffice2003',

        5 => 'OC\\Preview\\MSOfficeDoc',

        6 => 'OC\\Preview\\Image',

        7 => 'OC\\Preview\\Photoshop',

        8 => 'OC\\Preview\\TIFF',

        9 => 'OC\\Preview\\SVG',

       10 => 'OC\\Preview\\Font',

       11 => 'OC\\Preview\\MP3',

       12 => 'OC\\Preview\\Movie',

       13 => 'OC\\Preview\\MKV',

       14 => 'OC\\Preview\\MP4',

       15 => 'OC\\Preview\\AVI',

       ),

   );
```

Tips #1:

when using docker you need to login as root or www-data in order to fix the issues with nextcloud:

www-data

root

Tips #2:

php occ [COMMAND]

Container console

Execute

| Command | 🐧 | /bin/bash |

Use custom command ⬤
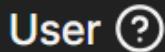
User ⓘ   www-data

Connect

Docker Compose config stack for portainer:

```
services:
 nextcloud:
  image: nextcloud:stable
  container_name: nextcloud-stable
  restart: always
  environment:
   MYSQL_PASSWORD: XXXXXXXXXXXXXXXXXXXXXXXXXXXX
   MYSQL_DATABASE: BBBBBBBBBBBBBBBBBBBBBBBBBBBB
   MYSQL_USER: AAAAAAAAAAAAAAAAAAAAAAAAAAAA
   MYSQL_HOST: CCCCCCCCCCCCCCCCCCCCCCCCCCCC
   REDIS_HOST: DDDDDDDDDDDDDDDDDDDDDDDDDDDD
   PUID: 1000
```

```
      PGID: 1000
      TZ: Asia/Ho_Chi_Minh


    ports:
      - 8180:80
      - 8443:443
    volumes:
      - /mnt/portainer/nextcloud/html:/var/www/html
      - /mnt/portainer/nextcloud/config://var/www/html/config
      - /mnt/portainer/nextcloud/custom_apps://var/www/html/custom_apps
      - /mnt/portainer/nextcloud/data:/var/www/html/data
      - /mnt/portainer/nextcloud/logs:/var/log/apache2
    networks:
      - nginxproxymanager_default

  networks:
   nginxproxymanager_default:
      external: true
```

i mounted to my nfs volume which link to my synology data storage through nfs

Some path to take alook:

/etc/apache2/
/var/log/apache2/

looks for logs and ask chatgpt to install required apps for apache and os. eg:

```
apt update && apt install -y iproute2
apt update && apt install -y fuse
```

ImageMagick: Fix PolicyMap

How to fix the error message „ImagickException: not authorized":

```
ImagickException: not authorized `/tmp/magick-…………' @ error/constitute.c/ReadImage/412
```

```
vi /etc/ImageMagick-6/policy.xml
```

Change `rights="none"` to `rights="read|write"` for PS, EPI, PDF and XPS

```
<policy domain="coder" rights="read|write" pattern="PS" />
<policy domain="coder" rights="read|write" pattern="EPI" />
<policy domain="coder" rights="read|write" pattern="PDF" />
<policy domain="coder" rights="read|write" pattern="XPS" />
```

Restart services

```
service apache2 restart && service php7.2-fpm restart
```

Nextcloud: Install Crontab

apt update && apt install -y cron
crontab -e
crontab -u www-data -e


```
*/5 * * * * php -f /var/www/html/cron.php
*/10 * * * * php /var/www/html/occ preview:pre-generate -vvv
```

Add additional folder in home directory of a virtual host

ISPConfig sets the immutable bit of a vHost's home directory, which prevents adding/deleting files or folders there. To add a custom folder, the immutable bit must first be reset, which can only be done as the *root* user.

In this example, we want to create the additional folder `.cache` within the home directory.

```
chattr -i /var/www/clients/client1/web1
mkdir /var/www/clients/client1/web1/.cache
chown web1:client1 /var/www/clients/client1/web1/.cache
chattr +i /var/www/clients/client1/web1
```

If PHP needs to write to the new folder, add the path to PHP `open_basedir` as well.

See also

https://www.allerstorfer.at/nextcloud-install-preview-generator/