

# 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](https://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 office documents like .ods and .odt.

## Fix PolicyMap for ImageMagick

to prevent [ImagickException: not authorized](#) error. Necessary 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

[illegible]

```
array (
  0 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  1 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
),
'overwriteprotocol' => 'https',
'overwritehost' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'trustedproxies' =>
array (
  0 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
  1 => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
),
'datadirectory' => '/var/www/html/data',
'dbtype' => 'mysql',
'version' => '30.0.6.2',
'overwrite.cli.url' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'dbname' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'dbhost' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'dbport' => '',
'dbtableprefix' => 'oc_',
'mysql.utf8mb4' => true,
'dbuser' => 'oc_son',
'dbpassword' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'installed' => true,
'maintenance_window_start' => 8,
'mail_from_address' => 'son',
'mail_smtpmode' => 'smtp',
'mail_sendmailmode' => 'smtp',
'mail_domain' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'mail_smtphost' => 'AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA',
'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: BBBBBBBBBBBBBBBBBBBBBBBBBB
      MYSQL_USER: AAAAAAAAAAAAAAAAAAAAAAAAAA
      MYSQL_HOST: CCCCCCCCCCCCCCCCCCCCCCCCCC
      REDIS_HOST: DDDDDDDDDDDDDDDDDDDDDDDDDDDDD
      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/>

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Revision #11

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