

Photoprism

[Link](#) | [Link alt docker-compose.yml](#)

```
version: '3.3'

# Example Docker Compose config file for PhotoPrism (Raspberry Pi / ARM64)
#
# Documentation : https://docs.photoprism.org/getting-started/raspberry-pi/
# Docker Hub URL: https://hub.docker.com/r/photoprism/photoprism-arm64/
#
# Please run behind a reverse proxy like Caddy, Traefik or Nginx if you need HTTPS / SSL support
# e.g. when running PhotoPrism on a public server outside your home network.
#
# -----
# DOCKER COMPOSE COMMAND REFERENCE
# -----
# Start   | docker-compose up -d
# Stop    | docker-compose stop
# Update  | docker-compose pull
# Logs    | docker-compose logs --tail=25 -f
# Terminal | docker-compose exec photoprism bash
# Help    | docker-compose exec photoprism photoprism help
# Config  | docker-compose exec photoprism photoprism config
# Reset   | docker-compose exec photoprism photoprism reset
# Backup  | docker-compose exec photoprism photoprism backup -a -i
# Restore | docker-compose exec photoprism photoprism restore -a -i
# Index   | docker-compose exec photoprism photoprism index
# Reindex | docker-compose exec photoprism photoprism index -a
# Import  | docker-compose exec photoprism photoprism import
# -----
# Note: All commands may have to be prefixed with "sudo" when not running as root.
#      This will change the home directory "~" to "/root" in your configuration.

services:
  photoprism:
    # Use photoprism/photoprism-arm64:preview instead for testing preview builds:
```

```
image: photoprism/photoprism
container_name: photoprism
# Only enable automatic restarts once your installation is properly
# configured as it otherwise may get stuck in a restart loop:
# https://docs.photoprism.org/getting-started/faq/#why-is-photoprism-getting-stuck-in-a-restart-loop
# restart: unless-stopped
security_opt:
  - seccomp:unconfined
  - apparmor:unconfined
ports:
  - 2342:2342 # [local port]:[container port]
environment:
  PHOTOPRISM_ADMIN_PASSWORD: "insecure"      # PLEASE CHANGE: Your initial admin password (min 4
characters)
  PHOTOPRISM_ORIGINALS_LIMIT: 1000           # File size limit for originals in MB (increase for high-res
video)
  PHOTOPRISM_HTTP_COMPRESSION: "none"        # Improves transfer speed and bandwidth utilization
(none or gzip)
  PHOTOPRISM_WORKERS: 2                      # Limits the number of indexing workers to reduce system load
  PHOTOPRISM_DEBUG: "false"                  # Run in debug mode (shows additional log messages)
  PHOTOPRISM_PUBLIC: "false"                 # No authentication required (disables password protection)
  PHOTOPRISM_READONLY: "false"               # Don't modify originals directory (reduced functionality)
  PHOTOPRISM_EXPERIMENTAL: "false"           # Enables experimental features
  PHOTOPRISM_DISABLE_WEBDAV: "false"         # Disables built-in WebDAV server
  PHOTOPRISM_DISABLE_SETTINGS: "false"       # Disables Settings in Web UI
  PHOTOPRISM_DISABLE_TENSORFLOW: "false"     # Disables using TensorFlow for image classification
  PHOTOPRISM_DARKTABLE_PRESETS: "true"       # Enables Darktable presets and disables concurrent RAW
conversion
  # PHOTOPRISM_FFMPEG_ENCODER: "h264_v4l2m2m" # FFmpeg AVC encoder for video transcoding
(default: libx264)
  # PHOTOPRISM_FFMPEG_BUFFERS: "64"           # FFmpeg capture buffers (default: 32)
  PHOTOPRISM_DETECT_NSFW: "false"             # Flag photos as private that MAY be offensive
  PHOTOPRISM_UPLOAD_NSFW: "true"             # Allow uploads that MAY be offensive
  # PHOTOPRISM_DATABASE_DRIVER: "sqlite"      # SQLite is an embedded database that doesn't require a
server
  PHOTOPRISM_DATABASE_DRIVER: "mysql"         # Use MariaDB (or MySQL) instead of SQLite for improved
performance
  PHOTOPRISM_DATABASE_SERVER: "mariadb:3306" # MariaDB database server (hostname:port)
  PHOTOPRISM_DATABASE_NAME: "photoprism"      # MariaDB database schema name
  PHOTOPRISM_DATABASE_USER: "photoprism"      # MariaDB database user name
  PHOTOPRISM_DATABASE_PASSWORD: "insecure"    # MariaDB database user password
```

PHOTOPRISM_SITE_URL: "http://localhost:2342/" # Public PhotoPrism URL

PHOTOPRISM_SITE_TITLE: "PhotoPrism"

PHOTOPRISM_SITE_CAPTION: "Browse Your Life"

PHOTOPRISM_SITE_DESCRIPTION: ""

PHOTOPRISM_SITE_AUTHOR: ""

You may optionally set a user / group id using environment variables if your Docker version or NAS does not

support this natively (see next example):

UID: 1000

GID: 1000

UMASK: 0000

Uncomment and edit the following line to set a specific user / group id (native):

user: "1000:1000"

For hardware AVC transcoding using the h264_v4l2m2m encoder:

devices:

- "/dev/video11:/dev/video11"

volumes:

Your photo and video files ([local path]:[container path]):

- "~/Pictures:/photoprism/originals"

Multiple folders can be indexed by mounting them as sub-folders of /photoprism/originals:

- "/mnt/Family:/photoprism/originals/Family" # [folder_1]:/photoprism/originals/[folder_1]

- "/mnt/Friends:/photoprism/originals/Friends" # [folder_2]:/photoprism/originals/[folder_2]

Mounting an import folder is optional (see docs):

- "~/Import:/photoprism/import"

Permanent storage for settings, index & sidecar files (DON'T REMOVE):

- "./storage:/photoprism/storage"

mariadb:

image: arm64v8/mariadb:10.5

container_name: mariadb

restart: unless-stopped

security_opt:

- seccomp:unconfined

- apparmor:unconfined

command: mysqld --transaction-isolation=READ-COMMITTED --character-set-server=utf8mb4 --collation-server=utf8mb4_unicode_ci --max-connections=512 --innodb-rollback-on-timeout=OFF --innodb-lock-wait-timeout=50

volumes: # Don't remove permanent storage for index database files!

- "./database:/var/lib/mysql"

environment:

MYSQL_ROOT_PASSWORD: please_change

MYSQL_DATABASE: photoprism

MYSQL_USER: photoprism

MYSQL_PASSWORD: insecure

Uncomment the following lines to upgrade automatically, whenever there is a new Docker image available:

#

watchtower:

image: containrrr/watchtower

container_name: watchtower

restart: unless-stopped

environment:

WATCHTOWER_CLEANUP: "true"

WATCHTOWER_POLL_INTERVAL: 7200 # Checks for updates every two hours

volumes:

- "/var/run/docker.sock:/var/run/docker.sock"

- "~/docker/config.json:/config.json" # Optional, for authentication if you have a Docker Hub account

Revision #3

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