Installation

The service can be installed through the Portainer web interface.

> Learn about creating a new stack.

Docker Compose

Use the following code to install the service:

```
---
services:
  owncloud:
    image: owncloud/server:latest
    container_name: owncloud
    restart: always
    ports:
      - ${HTTP_PORT}:8080
    depends_on:
      - mariadb
      - redis
    environment:
      - PGID=${PGID}
      - PUID=${PUID}
      - OWNCLOUD_DOMAIN=${OWNCLOUD_DOMAIN}
      - OWNCLOUD_TRUSTED_DOMAINS=${OWNCLOUD_TRUSTED_DOMAINS}
      - OWNCLOUD_DB_TYPE=${DB_TYPE}
      - OWNCLOUD_DB_NAME=${DB_NAME}
      - OWNCLOUD_DB_USERNAME=${DB_USERNAME}
      - OWNCLOUD_DB_PASSWORD=${DB_USER_PASS}
      - OWNCLOUD_DB_HOST=${DB_HOST}
      - OWNCLOUD_ADMIN_USERNAME=${ADMIN_USERNAME}
      - OWNCLOUD_ADMIN_PASSWORD=${ADMIN_PASSWORD}
      - OWNCLOUD_MYSQL_UTF8MB4=true
```

```
    - OWNCLOUD_REDIS_ENABLED=true
    - OWNCLOUD_REDIS_HOST=${REDIS_HOST}
  healthcheck:
    test: ["CMD", "/usr/bin/healthcheck"]
    interval: 30s
    timeout: 10s
    retries: 5
  volumes:
    # Persistent Data
    - /srv/owncloud/config:/mnt/data

    # Media Data
    - /mnt/libraries:/mnt/libraries

# OwnCloud Database
mariadb:
  image: mariadb:10.6
  container_name: owncloud_mariadb
  restart: always
  command: ["--max-allowed-packet=128M", "--innodb-log-file-size=64M"]
  environment:
    - MYSQL_ROOT_PASSWORD=${DB_ROOT_PASS}
    - MYSQL_USER=${DB_USERNAME}
    - MYSQL_PASSWORD=${DB_USER_PASS}
    - MYSQL_DATABASE=${DB_NAME}
  healthcheck:
    test: ["CMD", "mysqladmin", "ping", "-u", "root", "--password=owncloud"]
    interval: 10s
    timeout: 5s
    retries: 5
  volumes:
    # Persistent Data
    - /srv/owncloud/db:/var/lib/mysql

# Cache Server
redis:
  image: redis:6
  container_name: owncloud_redis
  restart: always
  command: ["--databases", "1"]
```

```
    healthcheck:
      test: ["CMD", "redis-cli", "ping"]
      interval: 10s
      timeout: 5s
      retries: 5
    volumes:
      # Persistent Data
      - /srv/owncloud/redis:/data
```

Environment

Use the following environment to configure the service using the values prepared earlier:

```
# Set Run User
PGID=1000
PUID=1000

# OwnCloud Networking
OWNCLOUD_VERSION=latest
HTTP_PORT=8080
OWNCLOUD_TRUSTED_DOMAINS=192.168.68.100, owncloud.example.com
OWNCLOUD_DOMAIN=owncloud.example.com

# Cache Server
REDIS_HOST=redis

# Database Configuration
DB_HOST=mariadb
DB_TYPE=mysql
DB_NAME=owncloud
DB_USERNAME=owncloud_admin

# Passwords
# After the initial setup, the passwords should be saved elsewhere and stack should be re-deployed with these settings deleted.

# Database Passwords
DB_ROOT_PASS=
```

```
DB_USER_PASS=


# OwnCloud Admin Account
OWNCLOUD_ADMIN_USERNAME=
OWNCLOUD_ADMIN_PASSWORD=
```

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