Setup & Configuration

We need to install the service through Portainer and configure any necessary settings.

- Preparation
- Installation
- Updating

Preparation

There are some things we need to do in preparation to install this service.

Volumes

Persistent Data

This is where the service will store its own application data and ensures we can quickly update the service image.

> Ensure your user has permissions to access the folder.

Media Folders

This service will need access to the folders where you store your media files.

> Ensure your user has permissions to access the folder.

Download Folders

This service will need access to the folder where you torrent or usenet folder store their completed downloads.

> Ensure your user has permissions to access the folder.

Environment

TZ

This is the current time zone formatted using the tz database.

> *For example:* America/Vancouver

PUID

This is the numeric ID of the user account on Debian. If you are unsure, open a terminal and run:

```
id -u
```

PGID

This is the numeric ID of the user account's group on Debian. If you are unsure, open a terminal and run:

```
id -g
```

Passwords

> Keep these securely stored in a password manager, such as VaultWarden.

DB_ROOT_PASS

This is the password that will be used for root access to the database.

> It is important to use secure, randomly generated password.

You can use a random alphanumeric string from a password manager, or open the terminal and run the command:

```
tr -dc 'A-Za-z0-9!"#$%&'\''()*+,-./:;<=>?@[\]^_`{|}~' </dev/urandom | head -c 32; echo
```

This pulls a random string from the 'urandom' device, removes unwanted characters and trim it to an appropriate length.

OWNCLOUD_ADMIN_PASSWORD

This is the password for the administrator account that will be used within the web interface.

> It is important to use secure passphrase that is easy-to-remember.

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:
  grav:
    image: lscr.io/linuxserver/grav:latest
    container_name: grav
    environment:
      - PUID=1000
      - PGID=1000
      - TZ=America/Vancouver
    volumes:
      - /srv/grav:/config
    ports:
      - 6262:80
    restart: unless-stopped
```

Updating

> Re-Deploy the Stack

This service has been optimized for running in Docker thanks to LinuxServer.io.

This allows you to re-deploy the stack through Portainer to download the latest updates.