# 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

> You can find available Environmental Variables in their documentation.

**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:
  actual-server:
    image: docker.io/actualbudget/actual-server:latest
    container_name: actual-server
    network_mode: bridge
    environment:
      - TZ=America/Vancouver
    volumes:
      # Persistent Data
      - /srv/actual-budget:/data
    ports:
      - 5006:5006
    restart: unless-stopped
```

# Environment

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

```
TZ=America/Vancouver
```

# Updating

> Re-Deploy the Stack

> Backup and 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.