

# Setup & Configuration

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

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# 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.

### Source Folders

This service will need access to the folders where you store the files you are backing up.

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](#).

## SETTINGS\_ENCRYPTION\_KEY

This is the secure phrase that will be used for encrypting your files and the service 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.

## DUPLICATI\_WEBSERVICE\_PASSWORD

This is the password for logging into 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:
  duplicati:
    image: lscr.io/linuxserver/duplicati:latest
    container_name: duplicati
    network_mode: bridge
    environment:
      - PUID=0
      - PGID=0
      - TZ=America/Vancouver
      - SETTINGS_ENCRYPTION_KEY=
      - DUPLICATI__WEBSERVICE_PASSWORD=
    volumes:
      # Persistent Data
      - /srv/duplicati:/config

      # Backup Source
      - /:/home:ro
    ports:
      - 8200:8200
    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.