# Setup & Configuration

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

# 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.

**Dbus Socket**

This service needs access to the Linux Dbus, or Desktop Bus, in order to access Bluetooth, audio and other hardware devices.  We will only be providing "read-only" access meaning it cannot make changes.

> This is required and the service will fail to start without access.

# Environment

**TZ**

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

> *For example:* America/Vancouver

# 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:
  home-assistant:
    container_name: homeassistant
    image: "ghcr.io/home-assistant/home-assistant:stable"
    volumes:
      # Persistent Data
      - /srv/home-assistant/:/config

      # Hardware Access
      - /run/dbus:/run/dbus:ro
    restart: unless-stopped
    environment:
      - TZ=America/Vancouver
    privileged: true
    network_mode: host
```

# Updating

> Backup and Re-Deploy the Stack

Home Assistant has been optimized for running in Docker.  This allows you to re-deploy the stack through Portainer to download the latest updates.

Integrations within your Home Assistant, especially those from the community store, may encounter issues with newer updates.  It is always a good idea to have a backup to downgrade your installation in case of errors.