Install Homarr Dashbaord

https://www.youtube.com/embed/YoVlZ_HvT9w

Install Updates

Update and upgrade your server's packages using the following commands:

- For Ubuntu/Debian: `sudo apt update && sudo apt upgrade -y`
- For RedHat/CentOS/Fedora/Alma/Rocky: `sudo dnf update -y`

Create a Non-Root User

Create a non-root user with superuser (sudo) privileges:

1. Add a new user using `adduser <username>`
2. Set the password for this user.
3. Enter the relevant information (optional)
4. Enter 'Y', then press Enter.
5. Add the user to the "sudo" group:
   - For Ubuntu/Debian: `usermod -aG sudo <username>`
   - For RedHat/CentOS/Fedora/Alma/Rocky: `usermod -aG wheel <username>`

Ubuntu / Debian

`usermod -aG sudo <username>`

RedHat / CentOS / Fedora / Alma / Rocky

`usermod -aG wheel <username>`

Now, you can log out of the system, and log back in as your new non-root super user.

Step 2: Install Docker and Docker Compose

Install Docker and Docker Compose on your server:

1. Install the `curl` utility:
   - For Ubuntu/Debian: `sudo apt install curl -y`

- For RedHat/CentOS/Fedora/Alma/Rocky: `sudo dnf install curl -y`

2. Run the command to install Docker and Docker Compose: `curl https://get.docker.com | sh`

Add Your User to the Docker Group

Add your non-root user to the docker group so you can use Docker commands without sudo:

`sudo usermod -aG docker <username>`

Install Homarr in Docker

First we'll create a new folder to hold our applications and services files.

`mkdir -p docker/homarr`

Now we'll move into that folder.

`cd docker/homarr`

Here we'll create a new file in this location. It will be `compose.yaml`, which is our docker compose configuration file for the application. Copy the configuration text below, and paste it into the new file you just created.

```
---
services:
  homarr:
    container_name: homarr
    image: ghcr.io/homarr-labs/homarr:latest
    restart: unless-stopped
    volumes:
      - /var/run/docker.sock:/var/run/docker.sock # Optional, only if you want docker
integration
      - ./homarr/appdata:/appdata
    environment:
      - SECRET_ENCRYPTION_KEY=< use 'openssl rand -hex 32' >
    ports:
      - '7575:7575'
```

In the configuration above, you'll notice any values surrounded by less than '<' and greater than '>' signs. These need to be replaced with the actual values you need.

In this case you only need to generate a secret encryption key. We can do this by exiting nano with CTRL + x, then using the command:

```
openssl rand -hex 32
```

in the command line to generate a 32 character hexadecimal value. Once generated, copy the value and go back into the file in nano with

```
nano compose.yaml
```

Now, erase the placeholder for the SECRET_ENCRYPTION_KEY value between '<' and '>', including the less tan and greater than signs, and paste in your generated key. It should look like this, when you've done it.

```
SECRET_ENCRYPTION_KEY=f387d2a8bdae825763...
```

Now save you file with CTRL + O, then press Enter to confirm. Exit nano with CTRL + X.

Next, we'll pull down our image for Homarr with

```
docker compose pull
```

Once pulled down, we will start our docker virtual machine with

`docker compose up -d`.

I like to watch the logs the first time I start up a new docker virtual machine, to check for any errors I may need to correct. If you'd like to do that then use the command:

```
docker compose logs -f
```

after bringing up the virtual machine.

You can also just type them both in one line by concatenating the commands with `&&`.

```
docker compose up -d && docker compose logs -f
```

When you are done checking the logs, you can stop following them with CTRL + C.

Now, open your favorite modern browser, and go to the IP address of your **host** machine where you have the docker virtual machine running on port 7575.

I went to `http://192.168.50.115:7575` and was greeted with a login screen.

You'll be greeted and put through a quick on-boarding where you'll create your initial (administrative) account. Once done, you can go through, setup the system the way you prefer, and get started setting up your dashboards.

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