Common Issues with Docker

Namazu Elements Community Edition · https://namazustudios.com/docs/troubleshooting-guide/community-edition/common-issues-with-docker/

Running Namazu Elements locally is best done in Docker. We provide Community Edition as a pre-configured environment using Docker Compose. If you are running into trouble using Docker, this page has a few common problems and solutions.

Not in the Correct Working Directory

Docker relies on the current working directory for almost all operations. Typically you will see errors about missing configuration if you do not `cd` to the correct directory first.

```
ptwohig@ryzen:~$ docker compose up -d
no configuration file provided: not found
```

If you are using Github Desktop, then look for your project in these directories:

- Windows - `C:\Users\<your-username>\Documents\GitHub`
- Mac OS - `~/Documents/GitHub`

Refer to the usage for your specific git client when locating the directory on disk. Before running docker, ensure you are in the correct directory.

```
cdC:\Users\username\<your-user\GitHub\docker-compose
```

Docker Service Not Running

Not all operating systems immediately run Docker or the Docker service can be shut down indvertently. Typically errors like this will appear:

```
Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
```

```
Got permission denied while trying to connect to the Docker daemon socket at
unix:///var/run/docker.sock
```

To fix this start Docker using the instructions for your operating system.

- Windows
  - **Desktop App:** Search for "Docker Desktop" in the **Start menu** and launch it.
  - **CLI:** Use the Docker Desktop CLI by running `docker desktop start` in PowerShell or Command Prompt (requires Docker Desktop 4.37+).
  - **Auto-start:** In settings, check **"Start Docker Desktop when you log in"** to have it run on boot.
- Mac
  - **Desktop App:** Open **Docker.app** from your **Applications** folder or use Spotlight (`Cmd + Space`).
  - **CLI:** Run `open -a Docker` in the Terminal. For newer versions (4.37+), you can also use `docker desktop start`.
  - **Headless/Alternative:** If using Colima, use the command `colima start`.
- Linux
  - **Systemd (Standard Engine):** Start the daemon with `sudo systemctl start docker`. To ensure it starts on every boot, use `sudo systemctl enable docker`.
- Docker Desktop for Linux
  - **GUI:** Launch "Docker Desktop" from your application menu (Gnome/KDE).
  - **CLI:** Use `systemctl --user start docker-desktop` to start the desktop-managed engine.