

# Container Network - Supervisor in LAMP Container



## Keeping Containers Running with Supervisor

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A supervisor process, or init process, is a program that's used to launch and maintain the state of other programs. On a Linux system, PID #1 is an init process. It starts all the other system processes and restarts them in the event that they fail unexpectedly. This concept can be effectively applied inside containers to start and manage processes.

Using a supervisor process inside your container ensures that the container remains operational even if the main process—such as a web server—fails and needs to be restarted. Several programs can serve as supervisor processes inside a container. The most popular ones include init, systemd, runit, upstart, and supervisord.

### Example: Using Supervisord in a Container

Suppose a company provides software that produces a full LAMP (Linux, Apache, MySQL, PHP) stack inside a single container. These containers use supervisord to ensure that all the related processes are kept running. Below is an example of how to use such a container.

alt text

### Create a LAMP Docker Image

Creating a LAMP (Linux, Apache, MySQL, PHP) stack image using supervisord allows you to manage multiple processes within a single Docker container. Here's a step-by-step guide to create such an image:

#### Step 1: Dockerfile Setup

Create a Dockerfile to define your LAMP stack image. Here, we'll use supervisord to manage Apache and MySQL processes.

```
# Use an official Ubuntu as a parent image
FROM ubuntu:latest
```

```
# Install necessary packages (Apache, PHP, MySQL client, supervisor)
RUN apt-get update && \
    apt-get install -y apache2 php libapache2-mod-php mysql-client supervisor && \
    apt-get clean && \
    rm -rf /var/lib/apt/lists/*
```

```
# Install MySQL server (choose a root password during installation)
RUN apt-get update && \
    DEBIAN_FRONTEND="noninteractive" apt-get -y install mysql-server && \
    apt-get clean && \
```

```
rm -rf /var/lib/apt/lists/*
```

```
# Configure Apache
RUN a2enmod rewrite
```

```
# Configure supervisord
COPY supervisord.conf /etc/supervisor/conf.d/supervisord.conf
```

```
# Expose ports
EXPOSE 80 3306
```

```
# Start supervisord to manage Apache and MySQL services
CMD ["/usr/bin/supervisord", "-c", "/etc/supervisor/conf.d/supervisord.conf"]
```

## Step 2: Supervisord Configuration

Create a supervisord.conf file in the same directory as your Dockerfile:

```
[supervisord]
nodaemon=true
```

```
[program:apache2]
command=/usr/sbin/apache2ctl -D FOREGROUND
```

```
[program:mysql]
command=/usr/bin/mysqld_safe
```

## Step 3: Build and Run the Docker Image

Now, build your Docker image using the Dockerfile:

```
docker build -t my-lamp-image .
```

Starting the Container

And finally, run a container using your newly created image:

```
docker run -d -p 80:80 -p 3306:3306 --name lamp-container my-lamp-image
```

alt text

## Checking Running Processes

You can see what processes are running inside this container by using the docker top command:

```
docker top lamp-container
```

The top subcommand will show the host PID for each of the processes in the container. You'll see supervisord, mysql, and apache included in the list of running programs.

alt text

## Stopping a Process Inside the Container

Now that the container is running, you can test the supervisord restart functionality by manually stopping one of the processes inside the container.

To kill a process inside a container from within that container, you need to know the PID in the container's PID namespace. To get that list, run the following exec subcommand:

```
docker exec lamp-container ps
```

The process list generated will have apache2 listed in the CMD column:

```
PID TTY    TIME    CMD
1  ?      00:00:00 supervisord
433 ?      00:00:00 mysqld_safe
835 ?      00:00:00 apache2
842 ?      00:00:00 ps
```

The values in the PID column will be different when you run the command. Find the PID on the row for apache2 and then insert that for <PID> in the following command:

```
docker exec lamp-container kill <PID>
alt text
```

Running this command will execute the Linux kill program inside the lamp-container container and tell the apache2 process to shut down. When apache2 stops, the supervisord process will log the event and restart the process. The container logs will clearly show these events:

```
... exited: apache2 (exit status 0; expected)
... spawned: 'apache2' with pid 820
... success: apache2 entered RUNNING state, process has stayed up for > than 1 seconds (startsecs)
alt text
```

This ensures that the apache2 process is restarted by supervisord, thereby maintaining the container's functionality.

By using a supervisor process inside containers, you can manage and monitor the state of your applications, ensuring high availability and reliability of your services.

explain these in a very easiest manner in details with basics also correct if any error occur;what does these codes do with basics of each part and portion with basic example if necessary:

Sure! Let's break this down **step by step** and explain it in the **simplest way possible**, correcting any errors if needed, and explaining what each part does, like a beginner's guide.

## What Is a Supervisor Process?

In Linux, a **supervisor process** is like a **manager** that keeps an eye on other programs (called *child processes*) and restarts them if they stop unexpectedly. In containers, **we use this idea** to make sure that the programs inside the container (like Apache or MySQL) stay running.

- Normally, Docker containers are designed to run **only one main process**.
- If you want to run **multiple services** (like Apache and MySQL) in the same container, you need a **supervisor** to manage them.

Common supervisor tools:

- ✓ ``supervisord`` (used in this tutorial)
- ✓ ``systemd``, ``runit``, ``init``, ``upstart`` (others)

# Step-by-Step Guide to Build a LAMP Stack with Supervisor

We are building a Docker container that runs:

- Apache (web server)
- MySQL (database)
- PHP (for dynamic websites)
- All controlled by `supervisord`

## Step 1: Dockerfile – Building the Image

Here's the **Dockerfile** code and what each part does:

```
dockerfile

# Use an official Ubuntu as a base image
FROM ubuntu:latest
```

✔ Starts from a basic Ubuntu OS.

```
dockerfile

# Install Apache, PHP, MySQL client, and Supervisor
RUN apt-get update && \
    apt-get install -y apache2 php libapache2-mod-php mysql-client supervisor && \
    apt-get clean && \
    rm -rf /var/lib/apt/lists/*
```

✔ Installs:

- `apache2`: Web server
- `php`: Programming language for the web
- `libapache2-mod-php`: Connects PHP with Apache
- `mysql-client`: Connects to MySQL database
- `supervisor`: The process manager

`apt-get clean` and `rm -rf /var/lib/apt/lists/*`: Remove unneeded files to make the image smaller.

```
dockerfile

# Install MySQL server
RUN apt-get update && \
    DEBIAN_FRONTEND="noninteractive" apt-get -y install mysql-server && \
    apt-get clean && \
    rm -rf /var/lib/apt/lists/*
```

✔ Installs the **MySQL server**.

- `DEBIAN_FRONTEND="noninteractive"`: Prevents it from asking questions during installation.

```
dockerfile
```

```
# Enable Apache rewrite module
RUN a2enmod rewrite
```

- ✓ Enables `mod_rewrite` which helps with URLs like `example.com/about-us` instead of ugly `example.com/page.php?id=3`.

```
dockerfile
```

```
# Copy supervisor config into the image
COPY supervisord.conf /etc/supervisor/conf.d/supervisord.conf
```

- ✓ Copies the `supervisord.conf` file (we'll write it in Step 2) into the correct place in the container.

```
dockerfile
```

```
# Expose ports
EXPOSE 80 3306
```

- ✓ Makes port **80** (for websites) and **3306** (for MySQL) accessible outside the container.

```
dockerfile
```

```
# Start supervisord when container starts
CMD ["/usr/bin/supervisord", "-c", "/etc/supervisor/conf.d/supervisord.conf"]
```

- ✓ This is the **main command** run when the container starts.  
It launches **supervisord**, which will then start Apache and MySQL.

## Step 2: Supervisord Configuration File

File: `supervisord.conf`

```
ini
```

```
[supervisord]
nodaemon=true
```

- ✓ `nodaemon=true` means it keeps running in the foreground (good for Docker).

```
ini
```

```
[program:apache2]
command=/usr/sbin/apache2ctl -D FOREGROUND
```

- ✓ Tells supervisord to run Apache in the foreground (not as a background service).

```
ini
```

```
[program:mysql]
```

```
command=/usr/bin/mysqld_safe
```

✓ Starts the MySQL server in a safe way.

---

## Step 3: Build and Run

### Build the Docker Image

```
bash

docker build -t my-lamp-image .
```

✓ Builds the image and names it `my-lamp-image`.

---

### Run the Container

```
bash

docker run -d -p 80:80 -p 3306:3306 --name lamp-container my-lamp-image
```

✓ Starts the container:

- Runs in background `(-d)`
  - Maps ports: 80 (web), 3306 (MySQL)
  - Names the container `lamp-container`
- 

## Step 4: Check Running Processes

```
bash

docker top lamp-container
```

✓ Shows the list of processes inside the container.

You should see:

- `supervisord`
  - `apache2`
  - `mysqld_safe`
- 

## Step 5: Kill a Process to Test Restart

### View Processes:

```
bash

docker exec lamp-container ps
```

✓ Shows something like:

```
css

PID TTY      TIME    CMD
1 ?        00:00:00 supervisord
433 ?        00:00:00 mysqld_safe
835 ?        00:00:00 apache2
842 ?        00:00:00 ps
```

## Kill Apache Process:

```
bash

docker exec lamp-container kill 835
```

✓ This tells Apache to stop. But...

- `supervisord` will **notice** that Apache stopped
- It will automatically **restart** it

## Log Output Example

When Apache dies, logs may show:

```
python-repl

... exited: apache2 (exit status 0; expected)
... spawned: 'apache2' with pid 820
... success: apache2 entered RUNNING state
```

✓ This proves `supervisord` restarted Apache successfully.

## ✓ Summary

| Step                     | Purpose                                 |
|--------------------------|---|
| Dockerfile               | Defines the LAMP environment            |
| supervisord.conf         | Tells supervisor which services to run  |
| `docker build`           | Builds the container image              |
| `docker run`             | Starts the container with ports exposed |
| `docker exec ps`         | Lists running processes                 |
| `docker exec kill <PID>` | Kills a process to test restarts        |

## Why Use Supervisor?

Because Docker containers usually only manage **one process**, using `supervisord` allows you to:

- Run **multiple processes** inside one container
- **Restart** them automatically if they crash
- Improve reliability without needing multiple containers

If you'd like, I can help you try this out live on your system or provide the full folder structure with files like `supervisord.conf` and `Dockerfile`. Would that help?



how to see the logs:

```
Get:61 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3-common amd64
8.3.6-0ubuntu0.24.04.3 [739 kB]
Get:62 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3-opcache amd64 8.3.6-
0ubuntu0.24.04.3 [372 kB]
Get:63 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3-readline amd64 8.3.6-
0ubuntu0.24.04.3 [13.5 kB]
Get:64 http://archive.ubuntu.com/ubuntu noble/main amd64 libsodium23 amd64 1.0.18-1build3
[161 kB]
Get:65 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3-cli amd64 8.3.6-
0ubuntu0.24.04.3 [1914 kB]
Get:66 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libapache2-mod-php8.3
amd64 8.3.6-0ubuntu0.24.04.3 [1849 kB]
Get:67 http://archive.ubuntu.com/ubuntu noble/main amd64 libapache2-mod-php all
2:8.3+93ubuntu2 [4224 B]
Get:68 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libldap-common all
2.6.7+dfsg-1~exp1ubuntu8.2 [31.7 kB]
Get:69 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libsasl2-modules amd64
2.1.28+dfsg1-5ubuntu3.1 [69.9 kB]
Get:70 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-client-core-8.0 amd64
8.0.41-0ubuntu0.24.04.1 [2727 kB]
Get:71 http://archive.ubuntu.com/ubuntu noble/main amd64 mysql-common all 5.8+1.1.0build1
[6746 B]
Get:72 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-client-8.0 amd64
8.0.41-0ubuntu0.24.04.1 [22.4 kB]
Get:73 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-client all 8.0.41-
0ubuntu0.24.04.1 [9412 B]
Get:74 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3 all 8.3.6-
0ubuntu0.24.04.3 [9178 B]
Get:75 http://archive.ubuntu.com/ubuntu noble/main amd64 php all 2:8.3+93ubuntu2 [4076 B]
Get:76 http://archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]
debconf: delaying package configuration, since apt-utils is not installed
Fetched 45.2 MB in 8s (5491 kB/s)
(Reading database ... 4383 files and directories currently installed.)
Preparing to unpack .../perl-base_5.38.2-3.2build2.1_amd64.deb ...
Unpacking perl-base (5.38.2-3.2build2.1) over (5.38.2-3.2build2) ...
Setting up perl-base (5.38.2-3.2build2.1) ...
(Reading database ... 4383 files and directories currently installed.)
Preparing to unpack .../libssl3t64_3.0.13-0ubuntu3.5_amd64.deb ...
Unpacking libssl3t64:amd64 (3.0.13-0ubuntu3.5) over (3.0.13-0ubuntu3.4) ...
```



```

Setting up libssl3t64:amd64 (3.0.13-0ubuntu3.5) ...
Selecting previously unselected package libpython3.12-minimal:amd64.
(Reading database ... 4383 files and directories currently installed.)
Preparing to unpack .../libpython3.12-minimal_3.12.3-1ubuntu0.5_amd64.deb ...
Unpacking libpython3.12-minimal:amd64 (3.12.3-1ubuntu0.5) ...
Selecting previously unselected package libexpat1:amd64.
Preparing to unpack .../libexpat1_2.6.1-2ubuntu0.2_amd64.deb ...
Unpacking libexpat1:amd64 (2.6.1-2ubuntu0.2) ...
Selecting previously unselected package python3.12-minimal.
Preparing to unpack .../python3.12-minimal_3.12.3-1ubuntu0.5_amd64.deb ...
Unpacking python3.12-minimal (3.12.3-1ubuntu0.5) ...
Setting up libpython3.12-minimal:amd64 (3.12.3-1ubuntu0.5) ...
Setting up libexpat1:amd64 (2.6.1-2ubuntu0.2) ...
Setting up python3.12-minimal (3.12.3-1ubuntu0.5) ...
Selecting previously unselected package python3-minimal.
(Reading database ... 4702 files and directories currently installed.)
Preparing to unpack .../0-python3-minimal_3.12.3-0ubuntu2_amd64.deb ...
Unpacking python3-minimal (3.12.3-0ubuntu2) ...
Selecting previously unselected package media-types.
Preparing to unpack .../1-media-types_10.1.0_all.deb ...
Unpacking media-types (10.1.0) ...
Selecting previously unselected package netbase.
Preparing to unpack .../2-netbase_6.4_all.deb ...
Unpacking netbase (6.4) ...
Selecting previously unselected package tzdata.
Preparing to unpack .../3-tzdata_2025a-0ubuntu0.24.04_all.deb ...
Unpacking tzdata (2025a-0ubuntu0.24.04) ...
Selecting previously unselected package readline-common.
Preparing to unpack .../4-readline-common_8.2-4build1_all.deb ...
Unpacking readline-common (8.2-4build1) ...
Selecting previously unselected package libreadline8t64:amd64.
Preparing to unpack .../5-libreadline8t64_8.2-4build1_amd64.deb ...
Adding 'diversion of /lib/x86_64-linux-gnu/libhistory.so.8 to /lib/x86_64-linux-gnu/libhistory.so.8.usr-is-merged by libreadline8t64'
Adding 'diversion of /lib/x86_64-linux-gnu/libhistory.so.8.2 to /lib/x86_64-linux-gnu/libhistory.so.8.2.usr-is-merged by libreadline8t64'
Adding 'diversion of /lib/x86_64-linux-gnu/libreadline.so.8 to /lib/x86_64-linux-gnu/libreadline.so.8.usr-is-merged by libreadline8t64'
Adding 'diversion of /lib/x86_64-linux-gnu/libreadline.so.8.2 to /lib/x86_64-linux-gnu/libreadline.so.8.2.usr-is-merged by libreadline8t64'
Unpacking libreadline8t64:amd64 (8.2-4build1) ...
Selecting previously unselected package libsqlite3-0:amd64.
Preparing to unpack .../6-libsqlite3-0_3.45.1-1ubuntu2.1_amd64.deb ...
Unpacking libsqlite3-0:amd64 (3.45.1-1ubuntu2.1) ...
Selecting previously unselected package libpython3.12-stdlib:amd64.
Preparing to unpack .../7-libpython3.12-stdlib_3.12.3-1ubuntu0.5_amd64.deb ...
Unpacking libpython3.12-stdlib:amd64 (3.12.3-1ubuntu0.5) ...
Selecting previously unselected package python3.12.
Preparing to unpack .../8-python3.12_3.12.3-1ubuntu0.5_amd64.deb ...
Unpacking python3.12 (3.12.3-1ubuntu0.5) ...
Selecting previously unselected package libpython3-stdlib:amd64.

```

```

Preparing to unpack .../9-libpython3-stdlib_3.12.3-0ubuntu2_amd64.deb ...
Unpacking libpython3-stdlib:amd64 (3.12.3-0ubuntu2) ...
Setting up python3-minimal (3.12.3-0ubuntu2) ...
Selecting previously unselected package python3.
(Reading database ... 5707 files and directories currently installed.)
Preparing to unpack .../00-python3_3.12.3-0ubuntu2_amd64.deb ...
Unpacking python3 (3.12.3-0ubuntu2) ...
Selecting previously unselected package perl-modules-5.38.
Preparing to unpack .../01-perl-modules-5.38_5.38.2-3.2build2.1_all.deb ...
Unpacking perl-modules-5.38 (5.38.2-3.2build2.1) ...
Selecting previously unselected package libgdbm6t64:amd64.
Preparing to unpack .../02-libgdbm6t64_1.23-5.1build1_amd64.deb ...
Unpacking libgdbm6t64:amd64 (1.23-5.1build1) ...
Selecting previously unselected package libgdbm-compat4t64:amd64.
Preparing to unpack .../03-libgdbm-compat4t64_1.23-5.1build1_amd64.deb ...
Unpacking libgdbm-compat4t64:amd64 (1.23-5.1build1) ...
Selecting previously unselected package libperl5.38t64:amd64.
Preparing to unpack .../04-libperl5.38t64_5.38.2-3.2build2.1_amd64.deb ...
Unpacking libperl5.38t64:amd64 (5.38.2-3.2build2.1) ...
Selecting previously unselected package perl.
Preparing to unpack .../05-perl_5.38.2-3.2build2.1_amd64.deb ...
Unpacking perl (5.38.2-3.2build2.1) ...
Selecting previously unselected package libapr1t64:amd64.
Preparing to unpack .../06-libapr1t64_1.7.2-3.1ubuntu0.1_amd64.deb ...
Unpacking libapr1t64:amd64 (1.7.2-3.1ubuntu0.1) ...
Selecting previously unselected package libaprutil1t64:amd64.
Preparing to unpack .../07-libaprutil1t64_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../08-libaprutil1-dbd-sqlite3_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libsasl2-modules-db:amd64.
Preparing to unpack .../09-libsasl2-modules-db_2.1.28+dfsg1-5ubuntu3.1_amd64.deb ...
Unpacking libsasl2-modules-db:amd64 (2.1.28+dfsg1-5ubuntu3.1) ...
Selecting previously unselected package libsasl2-2:amd64.
Preparing to unpack .../10-libsasl2-2_2.1.28+dfsg1-5ubuntu3.1_amd64.deb ...
Unpacking libsasl2-2:amd64 (2.1.28+dfsg1-5ubuntu3.1) ...
Selecting previously unselected package libldap2:amd64.
Preparing to unpack .../11-libldap2_2.6.7+dfsg-1~exp1ubuntu8.2_amd64.deb ...
Unpacking libldap2:amd64 (2.6.7+dfsg-1~exp1ubuntu8.2) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../12-libaprutil1-ldap_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libbrotli1:amd64.
Preparing to unpack .../13-libbrotli1_1.1.0-2build2_amd64.deb ...
Unpacking libbrotli1:amd64 (1.1.0-2build2) ...
Selecting previously unselected package libkrb5support0:amd64.
Preparing to unpack .../14-libkrb5support0_1.20.1-6ubuntu2.5_amd64.deb ...
Unpacking libkrb5support0:amd64 (1.20.1-6ubuntu2.5) ...
Selecting previously unselected package libk5crypto3:amd64.
Preparing to unpack .../15-libk5crypto3_1.20.1-6ubuntu2.5_amd64.deb ...

```

```

Unpacking libk5crypto3:amd64 (1.20.1-6ubuntu2.5) ...
Selecting previously unselected package libkeyutils1:amd64.
Preparing to unpack .../16-libkeyutils1_1.6.3-3build1_amd64.deb ...
Unpacking libkeyutils1:amd64 (1.6.3-3build1) ...
Selecting previously unselected package libkrb5-3:amd64.
Preparing to unpack .../17-libkrb5-3_1.20.1-6ubuntu2.5_amd64.deb ...
Unpacking libkrb5-3:amd64 (1.20.1-6ubuntu2.5) ...
Selecting previously unselected package libgssapi-krb5-2:amd64.
Preparing to unpack .../18-libgssapi-krb5-2_1.20.1-6ubuntu2.5_amd64.deb ...
Unpacking libgssapi-krb5-2:amd64 (1.20.1-6ubuntu2.5) ...
Selecting previously unselected package libnghttp2-14:amd64.
Preparing to unpack .../19-libnghttp2-14_1.59.0-1ubuntu0.2_amd64.deb ...
Unpacking libnghttp2-14:amd64 (1.59.0-1ubuntu0.2) ...
Selecting previously unselected package libpsl5t64:amd64.
Preparing to unpack .../20-libpsl5t64_0.21.2-1.1build1_amd64.deb ...
Unpacking libpsl5t64:amd64 (0.21.2-1.1build1) ...
Selecting previously unselected package librtmp1:amd64.
Preparing to unpack .../21-librtmp1_2.4+20151223.gitfa8646d.1-2build7_amd64.deb ...
Unpacking librtmp1:amd64 (2.4+20151223.gitfa8646d.1-2build7) ...
Selecting previously unselected package libssh-4:amd64.
Preparing to unpack .../22-libssh-4_0.10.6-2build2_amd64.deb ...
Unpacking libssh-4:amd64 (0.10.6-2build2) ...
Selecting previously unselected package libcurl4t64:amd64.
Preparing to unpack .../23-libcurl4t64_8.5.0-2ubuntu10.6_amd64.deb ...
Unpacking libcurl4t64:amd64 (8.5.0-2ubuntu10.6) ...
Selecting previously unselected package libjansson4:amd64.
Preparing to unpack .../24-libjansson4_2.14-2build2_amd64.deb ...
Unpacking libjansson4:amd64 (2.14-2build2) ...
Selecting previously unselected package liblua5.4-0:amd64.
Preparing to unpack .../25-liblua5.4-0_5.4.6-3build2_amd64.deb ...
Unpacking liblua5.4-0:amd64 (5.4.6-3build2) ...
Selecting previously unselected package libicu74:amd64.
Preparing to unpack .../26-libicu74_74.2-1ubuntu3.1_amd64.deb ...
Unpacking libicu74:amd64 (74.2-1ubuntu3.1) ...
Selecting previously unselected package libxml2:amd64.
Preparing to unpack .../27-libxml2_2.9.14+dfsg-1.3ubuntu3.2_amd64.deb ...
Unpacking libxml2:amd64 (2.9.14+dfsg-1.3ubuntu3.2) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../28-apache2-bin_2.4.58-1ubuntu8.5_amd64.deb ...
Unpacking apache2-bin (2.4.58-1ubuntu8.5) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../29-apache2-data_2.4.58-1ubuntu8.5_all.deb ...
Unpacking apache2-data (2.4.58-1ubuntu8.5) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../30-apache2-utils_2.4.58-1ubuntu8.5_amd64.deb ...
Unpacking apache2-utils (2.4.58-1ubuntu8.5) ...
Selecting previously unselected package apache2.
Preparing to unpack .../31-apache2_2.4.58-1ubuntu8.5_amd64.deb ...
Unpacking apache2 (2.4.58-1ubuntu8.5) ...
Selecting previously unselected package python3-pkg-resources.
Preparing to unpack .../32-python3-pkg-resources_68.1.2-2ubuntu1.1_all.deb ...

```

```

Unpacking python3-pkg-resources (68.1.2-2ubuntu1.1) ...
Selecting previously unselected package supervisor.
Preparing to unpack .../33-supervisor_4.2.5-1ubuntu0.1_all.deb ...
Unpacking supervisor (4.2.5-1ubuntu0.1) ...
Selecting previously unselected package adduser.
Preparing to unpack .../34-adduser_3.137ubuntu1_all.deb ...
Unpacking adduser (3.137ubuntu1) ...
Setting up adduser (3.137ubuntu1) ...
Selecting previously unselected package openssl.
(Reading database ... 8841 files and directories currently installed.)
Preparing to unpack .../00-openssl_3.0.13-0ubuntu3.5_amd64.deb ...
Unpacking openssl (3.0.13-0ubuntu3.5) ...
Selecting previously unselected package ca-certificates.
Preparing to unpack .../01-ca-certificates_20240203_all.deb ...
Unpacking ca-certificates (20240203) ...
Selecting previously unselected package krb5-locales.
Preparing to unpack .../02-krb5-locales_1.20.1-6ubuntu2.5_all.deb ...
Unpacking krb5-locales (1.20.1-6ubuntu2.5) ...
Selecting previously unselected package libargon2-1:amd64.
Preparing to unpack .../03-libargon2-1_0~20190702+dfsg-4build1_amd64.deb ...
Unpacking libargon2-1:amd64 (0~20190702+dfsg-4build1) ...
Selecting previously unselected package libbsd0:amd64.
Preparing to unpack .../04-libbsd0_0.12.1-1build1.1_amd64.deb ...
Unpacking libbsd0:amd64 (0.12.1-1build1.1) ...
Selecting previously unselected package ucf.
Preparing to unpack .../05-ucf_3.0043+nmu1_all.deb ...
Moving old data out of the way
Unpacking ucf (3.0043+nmu1) ...
Selecting previously unselected package libedit2:amd64.
Preparing to unpack .../06-libedit2_3.1-20230828-1build1_amd64.deb ...
Unpacking libedit2:amd64 (3.1-20230828-1build1) ...
Selecting previously unselected package psmisc.
Preparing to unpack .../07-psmisc_23.7-1build1_amd64.deb ...
Unpacking psmisc (23.7-1build1) ...
Selecting previously unselected package publicsuffix.
Preparing to unpack .../08-publicsuffix_20231001.0357-0.1_all.deb ...
Unpacking publicsuffix (20231001.0357-0.1) ...
Selecting previously unselected package php-common.
Preparing to unpack .../09-php-common_2%3a93ubuntu2_all.deb ...
Unpacking php-common (2:93ubuntu2) ...
Selecting previously unselected package php8.3-common.
Preparing to unpack .../10-php8.3-common_8.3.6-0ubuntu0.24.04.3_amd64.deb ...
Unpacking php8.3-common (8.3.6-0ubuntu0.24.04.3) ...
Selecting previously unselected package php8.3-opcache.
Preparing to unpack .../11-php8.3-opcache_8.3.6-0ubuntu0.24.04.3_amd64.deb ...
Unpacking php8.3-opcache (8.3.6-0ubuntu0.24.04.3) ...
Selecting previously unselected package php8.3-readline.
Preparing to unpack .../12-php8.3-readline_8.3.6-0ubuntu0.24.04.3_amd64.deb ...
Unpacking php8.3-readline (8.3.6-0ubuntu0.24.04.3) ...
Selecting previously unselected package libsodium23:amd64.
Preparing to unpack .../13-libsodium23_1.0.18-1build3_amd64.deb ...

```

```

Unpacking libsodium23:amd64 (1.0.18-1build3) ...
Selecting previously unselected package php8.3-cli.
Preparing to unpack .../14-php8.3-cli_8.3.6-0ubuntu0.24.04.3_amd64.deb ...
Unpacking php8.3-cli (8.3.6-0ubuntu0.24.04.3) ...
Selecting previously unselected package libapache2-mod-php8.3.
Preparing to unpack .../15-libapache2-mod-php8.3_8.3.6-0ubuntu0.24.04.3_amd64.deb ...
Unpacking libapache2-mod-php8.3 (8.3.6-0ubuntu0.24.04.3) ...
Selecting previously unselected package libapache2-mod-php.
Preparing to unpack .../16-libapache2-mod-php_2%3a8.3+93ubuntu2_all.deb ...
Unpacking libapache2-mod-php (2:8.3+93ubuntu2) ...
Selecting previously unselected package libldap-common.
Preparing to unpack .../17-libldap-common_2.6.7+dfsg-1~exp1ubuntu8.2_all.deb ...
Unpacking libldap-common (2.6.7+dfsg-1~exp1ubuntu8.2) ...
Selecting previously unselected package libsasl2-modules:amd64.
Preparing to unpack .../18-libsasl2-modules_2.1.28+dfsg1-5ubuntu3.1_amd64.deb ...
Unpacking libsasl2-modules:amd64 (2.1.28+dfsg1-5ubuntu3.1) ...
Selecting previously unselected package mysql-client-core-8.0.
Preparing to unpack .../19-mysql-client-core-8.0_8.0.41-0ubuntu0.24.04.1_amd64.deb ...
Unpacking mysql-client-core-8.0 (8.0.41-0ubuntu0.24.04.1) ...
Selecting previously unselected package mysql-common.
Preparing to unpack .../20-mysql-common_5.8+1.1.0build1_all.deb ...
Unpacking mysql-common (5.8+1.1.0build1) ...
Selecting previously unselected package mysql-client-8.0.
Preparing to unpack .../21-mysql-client-8.0_8.0.41-0ubuntu0.24.04.1_amd64.deb ...
Unpacking mysql-client-8.0 (8.0.41-0ubuntu0.24.04.1) ...
Selecting previously unselected package mysql-client.
Preparing to unpack .../22-mysql-client_8.0.41-0ubuntu0.24.04.1_all.deb ...
Unpacking mysql-client (8.0.41-0ubuntu0.24.04.1) ...
Selecting previously unselected package php8.3.
Preparing to unpack .../23-php8.3_8.3.6-0ubuntu0.24.04.3_all.deb ...
Unpacking php8.3 (8.3.6-0ubuntu0.24.04.3) ...
Selecting previously unselected package php.
Preparing to unpack .../24-php_2%3a8.3+93ubuntu2_all.deb ...
Unpacking php (2:8.3+93ubuntu2) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../25-ssl-cert_1.1.2ubuntu1_all.deb ...
Unpacking ssl-cert (1.1.2ubuntu1) ...
Setting up media-types (10.1.0) ...
Setting up mysql-common (5.8+1.1.0build1) ...
update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.cnf (my.cnf) in auto
mode
Setting up libkeyutils1:amd64 (1.6.3-3build1) ...
Setting up libsodium23:amd64 (1.0.18-1build3) ...
Setting up libgdbm6t64:amd64 (1.23-5.1build1) ...
Setting up libgdbm-compat4t64:amd64 (1.23-5.1build1) ...
Setting up psmisc (23.7-1build1) ...
Setting up libargon2-1:amd64 (0~20190702+dfsg-4build1) ...
Setting up libbrotli1:amd64 (1.1.0-2build2) ...
Setting up libsqlite3-0:amd64 (3.45.1-1ubuntu2.1) ...
Setting up libsasl2-modules:amd64 (2.1.28+dfsg1-5ubuntu3.1) ...
Setting up libpsl5t64:amd64 (0.21.2-1.1build1) ...

```



```
Setting up libnghttp2-14:amd64 (1.59.0-1ubuntu0.2) ...
Setting up krb5-locales (1.20.1-6ubuntu2.5) ...
Setting up libldap-common (2.6.7+dfsg-1~exp1ubuntu8.2) ...
Setting up libjansson4:amd64 (2.14-2build2) ...
Setting up libkrb5support0:amd64 (1.20.1-6ubuntu2.5) ...
Setting up libsasl2-modules-db:amd64 (2.1.28+dfsg1-5ubuntu3.1) ...
Setting up tzdata (2025a-0ubuntu0.24.04) ...
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype
Configuring tzdata
-----
```

Please select the geographic area in which you live. Subsequent configuration questions will narrow this down by presenting a list of cities, representing the time zones in which they are located.

```
1. Africa    4. Arctic  7. Australia 10. Pacific
2. America  5. Asia    8. Europe   11. Etc
3. Antarctica 6. Atlantic 9. Indian   12. Legacy
```

Geographic area:

Use of uninitialized value \$\_[1] in join or string at /usr/share/perl5/Debconf/DbDriver/Stack.pm line 112.

Current default time zone: '/UTC'

Local time is now: Sun Mar 30 20:04:05 UTC 2025.

Universal Time is now: Sun Mar 30 20:04:05 UTC 2025.

Run 'dpkg-reconfigure tzdata' if you wish to change it.

Use of uninitialized value \$val in substitution (s///) at /usr/share/perl5/Debconf/Format/822.pm line 84, <GEN6> line 4.

Use of uninitialized value \$val in concatenation (.) or string at /usr/share/perl5/Debconf/Format/822.pm line 85, <GEN6> line 4.

```
Setting up librtmp1:amd64 (2.4+20151223.gitfa8646d.1-2build7) ...
```

```
Setting up perl-modules-5.38 (5.38.2-3.2build2.1) ...
```

```
Setting up ucf (3.0043+nmu1) ...
```

```
debconf: unable to initialize frontend: Dialog
```

```
debconf: (TERM is not set, so the dialog frontend is not usable.)
```

```
debconf: falling back to frontend: Readline
```

```
debconf: unable to initialize frontend: Readline
```

```
debconf: (This frontend requires a controlling tty.)
```

```
debconf: falling back to frontend: Teletype
```

```
Setting up libk5crypto3:amd64 (1.20.1-6ubuntu2.5) ...
```

```
Setting up libsasl2-2:amd64 (2.1.28+dfsg1-5ubuntu3.1) ...
```

```
Setting up libicu74:amd64 (74.2-1ubuntu3.1) ...
```

```
Setting up libapr1t64:amd64 (1.7.2-3.1ubuntu0.1) ...
```

```
Setting up liblua5.4-0:amd64 (5.4.6-3build2) ...
```

```
Setting up netbase (6.4) ...
```

```
Setting up libkrb5-3:amd64 (1.20.1-6ubuntu2.5) ...
Setting up apache2-data (2.4.58-1ubuntu8.5) ...
Setting up libperl5.38t64:amd64 (5.38.2-3.2build2.1) ...
Setting up openssl (3.0.13-0ubuntu3.5) ...
Setting up libbsd0:amd64 (0.12.1-1build1.1) ...
Setting up readline-common (8.2-4build1) ...
Setting up publicsuffix (20231001.0357-0.1) ...
Setting up libxml2:amd64 (2.9.14+dfsg-1.3ubuntu3.2) ...
Setting up libldap2:amd64 (2.6.7+dfsg-1~exp1ubuntu8.2) ...
Setting up libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Setting up php-common (2:93ubuntu2) ...
Setting up libedit2:amd64 (3.1-20230828-1build1) ...
Setting up php8.3-common (8.3.6-0ubuntu0.24.04.3) ...
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/calendar.ini with new version
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/ctype.ini with new version
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/exif.ini with new version
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/fileinfo.ini with new version
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype
```

Creating config file /etc/php/8.3/mods-available/ffi.ini with new version

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (This frontend requires a controlling tty.)

debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/ftp.ini with new version

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (This frontend requires a controlling tty.)

debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/gettext.ini with new version

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (This frontend requires a controlling tty.)

debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/iconv.ini with new version

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (This frontend requires a controlling tty.)

debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/pdo.ini with new version

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (This frontend requires a controlling tty.)

debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/phar.ini with new version

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

debconf: unable to initialize frontend: Readline

debconf: (This frontend requires a controlling tty.)

debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/posix.ini with new version

debconf: unable to initialize frontend: Dialog



debconf: (TERM is not set, so the dialog frontend is not usable.)  
debconf: falling back to frontend: Readline  
debconf: unable to initialize frontend: Readline  
debconf: (This frontend requires a controlling tty.)  
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/shmop.ini with new version

debconf: unable to initialize frontend: Dialog  
debconf: (TERM is not set, so the dialog frontend is not usable.)  
debconf: falling back to frontend: Readline  
debconf: unable to initialize frontend: Readline  
debconf: (This frontend requires a controlling tty.)  
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/sockets.ini with new version

debconf: unable to initialize frontend: Dialog  
debconf: (TERM is not set, so the dialog frontend is not usable.)  
debconf: falling back to frontend: Readline  
debconf: unable to initialize frontend: Readline  
debconf: (This frontend requires a controlling tty.)  
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/sysvmsg.ini with new version

debconf: unable to initialize frontend: Dialog  
debconf: (TERM is not set, so the dialog frontend is not usable.)  
debconf: falling back to frontend: Readline  
debconf: unable to initialize frontend: Readline  
debconf: (This frontend requires a controlling tty.)  
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/sysvsem.ini with new version

debconf: unable to initialize frontend: Dialog  
debconf: (TERM is not set, so the dialog frontend is not usable.)  
debconf: falling back to frontend: Readline  
debconf: unable to initialize frontend: Readline  
debconf: (This frontend requires a controlling tty.)  
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/sysvshm.ini with new version

debconf: unable to initialize frontend: Dialog  
debconf: (TERM is not set, so the dialog frontend is not usable.)  
debconf: falling back to frontend: Readline  
debconf: unable to initialize frontend: Readline  
debconf: (This frontend requires a controlling tty.)  
debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/mods-available/tokenizer.ini with new version

Setting up libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...  
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...  
Setting up ca-certificates (20240203) ...  
debconf: unable to initialize frontend: Dialog

```
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype
Updating certificates in /etc/ssl/certs...
146 added, 0 removed; done.
Setting up perl (5.38.2-3.2build2.1) ...
Setting up php8.3-readline (8.3.6-0ubuntu0.24.04.3) ...
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype
```

```
Creating config file /etc/php/8.3/mods-available/readline.ini with new version
Setting up ssl-cert (1.1.2ubuntu1) ...
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype
Setting up libgssapi-krb5-2:amd64 (1.20.1-6ubuntu2.5) ...
Setting up libssh-4:amd64 (0.10.6-2build2) ...
Setting up libreadline8t64:amd64 (8.2-4build1) ...
Setting up php8.3-opcache (8.3.6-0ubuntu0.24.04.3) ...
debconf: unable to initialize frontend: Dialog
debconf: (TERM is not set, so the dialog frontend is not usable.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (This frontend requires a controlling tty.)
debconf: falling back to frontend: Teletype
```

```
Creating config file /etc/php/8.3/mods-available/opcache.ini with new version
Setting up apache2-utils (2.4.58-1ubuntu8.5) ...
Setting up mysql-client-core-8.0 (8.0.41-0ubuntu0.24.04.1) ...
Setting up libpython3.12-stdlib:amd64 (3.12.3-1ubuntu0.5) ...
Setting up libcurl4t64:amd64 (8.5.0-2ubuntu10.6) ...
Setting up python3.12 (3.12.3-1ubuntu0.5) ...
Setting up php8.3-cli (8.3.6-0ubuntu0.24.04.3) ...
update-alternatives: using /usr/bin/php8.3 to provide /usr/bin/php (php) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/php.1.gz because associated
file /usr/share/man/man1/php8.3.1.gz (of link group php) doesn't exist
update-alternatives: using /usr/bin/phar8.3 to provide /usr/bin/phar (phar) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/phar.1.gz because associated
file /usr/share/man/man1/phar8.3.1.gz (of link group phar) doesn't exist
update-alternatives: using /usr/bin/phar.phar8.3 to provide /usr/bin/phar.phar (phar.phar) in auto
mode
update-alternatives: warning: skip creation of /usr/share/man/man1/phar.phar.1.gz because
```

associated file /usr/share/man/man1/phar.phar8.3.1.gz (of link group phar.phar) doesn't exist  
 debconf: unable to initialize frontend: Dialog  
 debconf: (TERM is not set, so the dialog frontend is not usable.)  
 debconf: falling back to frontend: Readline  
 debconf: unable to initialize frontend: Readline  
 debconf: (This frontend requires a controlling tty.)  
 debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/cli/php.ini with new version  
 Setting up apache2-bin (2.4.58-1ubuntu8.5) ...  
 Setting up libapache2-mod-php8.3 (8.3.6-0ubuntu0.24.04.3) ...  
 Package apache2 is not configured yet. Will defer actions by package libapache2-mod-php8.3.  
 debconf: unable to initialize frontend: Dialog  
 debconf: (TERM is not set, so the dialog frontend is not usable.)  
 debconf: falling back to frontend: Readline  
 debconf: unable to initialize frontend: Readline  
 debconf: (This frontend requires a controlling tty.)  
 debconf: falling back to frontend: Teletype

Creating config file /etc/php/8.3/apache2/php.ini with new version  
 No module matches  
 Setting up mysql-client-8.0 (8.0.41-0ubuntu0.24.04.1) ...  
 Setting up libpython3-stdlib:amd64 (3.12.3-0ubuntu2) ...  
 Setting up mysql-client (8.0.41-0ubuntu0.24.04.1) ...  
 Setting up apache2 (2.4.58-1ubuntu8.5) ...  
 Enabling module mpm\_event.  
 Enabling module authz\_core.  
 Enabling module authz\_host.  
 Enabling module authn\_core.  
 Enabling module auth\_basic.  
 Enabling module access\_compat.  
 Enabling module authn\_file.  
 Enabling module authz\_user.  
 Enabling module alias.  
 Enabling module dir.  
 Enabling module autoindex.  
 Enabling module env.  
 Enabling module mime.  
 Enabling module negotiation.  
 Enabling module setenvif.  
 Enabling module filter.  
 Enabling module deflate.  
 Enabling module status.  
 Enabling module reqtimeout.  
 Enabling conf charset.  
 Enabling conf localized-error-pages.  
 Enabling conf other-vhosts-access-log.  
 Enabling conf security.  
 Enabling conf serve-cgi-bin.  
 Enabling site 000-default.  
 info: Switch to mpm prefork for package libapache2-mod-php8.3

```

Module mpm_event disabled.
Enabling module mpm_prefork.
info: Executing deferred 'a2enmod php8.3' for package libapache2-mod-php8.3
Enabling module php8.3.
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Setting up python3 (3.12.3-0ubuntu2) ...
running python rtupdate hooks for python3.12...
running python post-rtupdate hooks for python3.12...
Setting up php8.3 (8.3.6-0ubuntu0.24.04.3) ...
Setting up libapache2-mod-php (2:8.3+93ubuntu2) ...
Setting up python3-pkg-resources (68.1.2-2ubuntu1.1) ...
Setting up php (2:8.3+93ubuntu2) ...
Setting up supervisor (4.2.5-1ubuntu0.1) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
Processing triggers for ca-certificates (20240203) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
Processing triggers for php8.3-cli (8.3.6-0ubuntu0.24.04.3) ...
Processing triggers for libapache2-mod-php8.3 (8.3.6-0ubuntu0.24.04.3) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of restart.
Removing intermediate container c70df5ab4fe1
---> 8b57451d28d2
Step 3/7 : RUN apt-get update && DEBIAN_FRONTEND="noninteractive" apt-get -y install mysql-
server && apt-get clean && rm -rf /var/lib/apt/lists/*
---> Running in 6af19583f5fb
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:2 http://archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:3 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [894 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [1062 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [21.9 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1024 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [331 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [117 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble/main amd64 Packages [1808 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble/universe amd64 Packages [19.3 MB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1355 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [26.4 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1068 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1219 kB]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [30.9 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [48.0 kB]
Fetched 29.0 MB in 6s (4569 kB/s)
Reading package lists...

```

Reading package lists...

Building dependency tree...

Reading state information...

The following additional packages will be installed:

libaio1t64 libcgi-fast-perl libcgi-pm-perl libclone-perl  
libencode-locale-perl libevent-core-2.1-7t64 libevent-pthreads-2.1-7t64  
libfcgi-bin libfcgi-perl libfcgi0t64 libhtml-parser-perl libhtml-tagset-perl  
libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl  
liblwp-mediatypes-perl libmecab2 libnuma1 libprotobuf-lite32t64  
libtimedate-perl libtirpc-common libtirpc3t64 liburi-perl mecab-ipadic  
mecab-ipadic-utf8 mecab-utils mysql-server-8.0 mysql-server-core-8.0

Suggested packages:

libdata-dump-perl libipc-sharedcache-perl libio-compress-brotli-perl  
libbusiness-isbn-perl libregexp-ipv6-perl libwww-perl mailx tinyca

The following NEW packages will be installed:

libaio1t64 libcgi-fast-perl libcgi-pm-perl libclone-perl  
libencode-locale-perl libevent-core-2.1-7t64 libevent-pthreads-2.1-7t64  
libfcgi-bin libfcgi-perl libfcgi0t64 libhtml-parser-perl libhtml-tagset-perl  
libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl  
liblwp-mediatypes-perl libmecab2 libnuma1 libprotobuf-lite32t64  
libtimedate-perl libtirpc-common libtirpc3t64 liburi-perl mecab-ipadic  
mecab-ipadic-utf8 mecab-utils mysql-server mysql-server-8.0  
mysql-server-core-8.0

0 upgraded, 30 newly installed, 0 to remove and 16 not upgraded.

Need to get 27.0 MB of archives.

After this operation, 181 MB of additional disk space will be used.

Get:1 <http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/libaio1t64/amd64/0.3.113-6build1.1> [7210 B]

Get:2 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libevent-core-2.1-7t64/amd64/2.1.12-stable-9ubuntu2> [91.3 kB]

Get:3 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libevent-pthreads-2.1-7t64/amd64/2.1.12-stable-9ubuntu2> [7982 B]

Get:4 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libmecab2/amd64/0.996-14ubuntu4> [201 kB]

Get:5 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libnuma1/amd64/2.0.18-1build1> [23.3 kB]

Get:6 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libprotobuf-lite32t64/amd64/3.21.12-8.2build1> [238 kB]

Get:7 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libtirpc-common/all/1.3.4+ds-1.1build1> [8094 B]

Get:8 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libtirpc3t64/amd64/1.3.4+ds-1.1build1> [82.6 kB]

Get:9 <http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/mysql-server-core-8.0/amd64/8.0.41-0ubuntu0.24.04.1> [17.5 MB]

Get:10 <http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/mysql-server-8.0/amd64/8.0.41-0ubuntu0.24.04.1> [1432 kB]

Get:11 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libhtml-tagset-perl/all/3.20-6> [11.3 kB]

Get:12 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/liburi-perl/all/5.27-1> [88.0 kB]

Get:13 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libhtml-parser-perl/amd64/3.81-1build3> [85.8 kB]

Get:14 <http://archive.ubuntu.com/ubuntu/noble/main/amd64/libcgi-pm-perl/all/4.63-1> [185 kB]

```

Get:15 http://archive.ubuntu.com/ubuntu noble/main amd64 libfcgi0t64 amd64 2.4.2-2.1build1
[26.8 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble/main amd64 libfcgi-perl amd64 0.82+ds-3build2
[21.7 kB]
Get:17 http://archive.ubuntu.com/ubuntu noble/main amd64 libcgi-fast-perl all 1:2.17-1 [10.3 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble/main amd64 libclone-perl amd64 0.46-1build3 [10.7
kB]
Get:19 http://archive.ubuntu.com/ubuntu noble/main amd64 libencode-locale-perl all 1.05-3 [11.6
kB]
Get:20 http://archive.ubuntu.com/ubuntu noble/main amd64 libfcgi-bin amd64 2.4.2-2.1build1 [11.2
kB]
Get:21 http://archive.ubuntu.com/ubuntu noble/main amd64 libhtml-template-perl all 2.97-2 [60.2
kB]
Get:22 http://archive.ubuntu.com/ubuntu noble/main amd64 libtimedate-perl all 2.3300-2 [34.0 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble/main amd64 libhttp-date-perl all 6.06-1 [10.2 kB]
Get:24 http://archive.ubuntu.com/ubuntu noble/main amd64 libio-html-perl all 1.004-3 [15.9 kB]
Get:25 http://archive.ubuntu.com/ubuntu noble/main amd64 liblwp-mediatypes-perl all 6.04-2 [20.1
kB]
Get:26 http://archive.ubuntu.com/ubuntu noble/main amd64 libhttp-message-perl all 6.45-
1ubuntu1 [78.2 kB]
Get:27 http://archive.ubuntu.com/ubuntu noble/main amd64 mecab-utils amd64 0.996-14ubuntu4
[4804 B]
Get:28 http://archive.ubuntu.com/ubuntu noble/main amd64 mecab-ipadic all 2.7.0-
20070801+main-3 [6718 kB]
Get:29 http://archive.ubuntu.com/ubuntu noble/main amd64 mecab-ipadic-utf8 all 2.7.0-
20070801+main-3 [4384 B]
Get:30 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-server all 8.0.41-
0ubuntu0.24.04.1 [9520 B]
debconf: delaying package configuration, since apt-utils is not installed
Fetched 27.0 MB in 4s (6512 kB/s)
Selecting previously unselected package libaio1t64:amd64.
(Reading database ... 9726 files and directories currently installed.)
Preparing to unpack .../00-libaio1t64_0.3.113-6build1.1_amd64.deb ...
Unpacking libaio1t64:amd64 (0.3.113-6build1.1) ...
Selecting previously unselected package libevent-core-2.1-7t64:amd64.
Preparing to unpack .../01-libevent-core-2.1-7t64_2.1.12-stable-9ubuntu2_amd64.deb ...
Unpacking libevent-core-2.1-7t64:amd64 (2.1.12-stable-9ubuntu2) ...
Selecting previously unselected package libevent-pthreads-2.1-7t64:amd64.
Preparing to unpack .../02-libevent-pthreads-2.1-7t64_2.1.12-stable-9ubuntu2_amd64.deb ...
Unpacking libevent-pthreads-2.1-7t64:amd64 (2.1.12-stable-9ubuntu2) ...
Selecting previously unselected package libmecab2:amd64.
Preparing to unpack .../03-libmecab2_0.996-14ubuntu4_amd64.deb ...
Unpacking libmecab2:amd64 (0.996-14ubuntu4) ...
Selecting previously unselected package libnuma1:amd64.
Preparing to unpack .../04-libnuma1_2.0.18-1build1_amd64.deb ...
Unpacking libnuma1:amd64 (2.0.18-1build1) ...
Selecting previously unselected package libprotobuf-lite32t64:amd64.
Preparing to unpack .../05-libprotobuf-lite32t64_3.21.12-8.2build1_amd64.deb ...
Unpacking libprotobuf-lite32t64:amd64 (3.21.12-8.2build1) ...
Selecting previously unselected package libtirpc-common.
Preparing to unpack .../06-libtirpc-common_1.3.4+ds-1.1build1_all.deb ...

```



```

Unpacking libtirpc-common (1.3.4+ds-1.1build1) ...
Selecting previously unselected package libtirpc3t64:amd64.
Preparing to unpack .../07-libtirpc3t64_1.3.4+ds-1.1build1_amd64.deb ...
Adding 'diversion of /lib/x86_64-linux-gnu/libtirpc.so.3 to /lib/x86_64-linux-gnu/libtirpc.so.3.usr-is-merged by libtirpc3t64'
Adding 'diversion of /lib/x86_64-linux-gnu/libtirpc.so.3.0.0 to /lib/x86_64-linux-gnu/libtirpc.so.3.0.0.usr-is-merged by libtirpc3t64'
Unpacking libtirpc3t64:amd64 (1.3.4+ds-1.1build1) ...
Selecting previously unselected package mysql-server-core-8.0.
Preparing to unpack .../08-mysql-server-core-8.0_8.0.41-0ubuntu0.24.04.1_amd64.deb ...
Unpacking mysql-server-core-8.0 (8.0.41-0ubuntu0.24.04.1) ...
Selecting previously unselected package mysql-server-8.0.
Preparing to unpack .../09-mysql-server-8.0_8.0.41-0ubuntu0.24.04.1_amd64.deb ...
Unpacking mysql-server-8.0 (8.0.41-0ubuntu0.24.04.1) ...
Selecting previously unselected package libhtml-tagset-perl.
Preparing to unpack .../10-libhtml-tagset-perl_3.20-6_all.deb ...
Unpacking libhtml-tagset-perl (3.20-6) ...
Selecting previously unselected package liburi-perl.
Preparing to unpack .../11-liburi-perl_5.27-1_all.deb ...
Unpacking liburi-perl (5.27-1) ...
Selecting previously unselected package libhtml-parser-perl:amd64.
Preparing to unpack .../12-libhtml-parser-perl_3.81-1build3_amd64.deb ...
Unpacking libhtml-parser-perl:amd64 (3.81-1build3) ...
Selecting previously unselected package libcgi-pm-perl.
Preparing to unpack .../13-libcgi-pm-perl_4.63-1_all.deb ...
Unpacking libcgi-pm-perl (4.63-1) ...
Selecting previously unselected package libfcgi0t64:amd64.
Preparing to unpack .../14-libfcgi0t64_2.4.2-2.1build1_amd64.deb ...
Unpacking libfcgi0t64:amd64 (2.4.2-2.1build1) ...
Selecting previously unselected package libfcgi-perl.
Preparing to unpack .../15-libfcgi-perl_0.82+ds-3build2_amd64.deb ...
Unpacking libfcgi-perl (0.82+ds-3build2) ...
Selecting previously unselected package libcgi-fast-perl.
Preparing to unpack .../16-libcgi-fast-perl_1%3a2.17-1_all.deb ...
Unpacking libcgi-fast-perl (1:2.17-1) ...
Selecting previously unselected package libclone-perl:amd64.
Preparing to unpack .../17-libclone-perl_0.46-1build3_amd64.deb ...
Unpacking libclone-perl:amd64 (0.46-1build3) ...
Selecting previously unselected package libencode-locale-perl.
Preparing to unpack .../18-libencode-locale-perl_1.05-3_all.deb ...
Unpacking libencode-locale-perl (1.05-3) ...
Selecting previously unselected package libfcgi-bin.
Preparing to unpack .../19-libfcgi-bin_2.4.2-2.1build1_amd64.deb ...
Unpacking libfcgi-bin (2.4.2-2.1build1) ...
Selecting previously unselected package libhtml-template-perl.
Preparing to unpack .../20-libhtml-template-perl_2.97-2_all.deb ...
Unpacking libhtml-template-perl (2.97-2) ...
Selecting previously unselected package libtimedate-perl.
Preparing to unpack .../21-libtimedate-perl_2.3300-2_all.deb ...
Unpacking libtimedate-perl (2.3300-2) ...
Selecting previously unselected package libhttp-date-perl.

```

```

Preparing to unpack .../22-libhttp-date-perl_6.06-1_all.deb ...
Unpacking libhttp-date-perl (6.06-1) ...
Selecting previously unselected package libio-html-perl.
Preparing to unpack .../23-libio-html-perl_1.004-3_all.deb ...
Unpacking libio-html-perl (1.004-3) ...
Selecting previously unselected package liblwp-mediatypes-perl.
Preparing to unpack .../24-liblwp-mediatypes-perl_6.04-2_all.deb ...
Unpacking liblwp-mediatypes-perl (6.04-2) ...
Selecting previously unselected package libhttp-message-perl.
Preparing to unpack .../25-libhttp-message-perl_6.45-1ubuntu1_all.deb ...
Unpacking libhttp-message-perl (6.45-1ubuntu1) ...
Selecting previously unselected package mecab-utils.
Preparing to unpack .../26-mecab-utils_0.996-14ubuntu4_amd64.deb ...
Unpacking mecab-utils (0.996-14ubuntu4) ...
Selecting previously unselected package mecab-ipadic.
Preparing to unpack .../27-mecab-ipadic_2.7.0-20070801+main-3_all.deb ...
Unpacking mecab-ipadic (2.7.0-20070801+main-3) ...
Selecting previously unselected package mecab-ipadic-utf8.
Preparing to unpack .../28-mecab-ipadic-utf8_2.7.0-20070801+main-3_all.deb ...
Unpacking mecab-ipadic-utf8 (2.7.0-20070801+main-3) ...
Selecting previously unselected package mysql-server.
Preparing to unpack .../29-mysql-server_8.0.41-0ubuntu0.24.04.1_all.deb ...
Unpacking mysql-server (8.0.41-0ubuntu0.24.04.1) ...
Setting up libprotobuf-lite32t64:amd64 (3.21.12-8.2build1) ...
Setting up libmecab2:amd64 (0.996-14ubuntu4) ...
Setting up libclone-perl:amd64 (0.46-1build3) ...
Setting up libfcgi0t64:amd64 (2.4.2-2.1build1) ...
Setting up libtirpc-common (1.3.4+ds-1.1build1) ...
Setting up libhtml-tagset-perl (3.20-6) ...
Setting up liblwp-mediatypes-perl (6.04-2) ...
Setting up libfcgi-bin (2.4.2-2.1build1) ...
Setting up libencode-locale-perl (1.05-3) ...
Setting up mecab-utils (0.996-14ubuntu4) ...
Setting up libio-html-perl (1.004-3) ...
Setting up libtimedate-perl (2.3300-2) ...
Setting up libnuma1:amd64 (2.0.18-1build1) ...
Setting up libaio1t64:amd64 (0.3.113-6build1.1) ...
Setting up libfcgi-perl (0.82+ds-3build2) ...
Setting up libevent-core-2.1-7t64:amd64 (2.1.12-stable-9ubuntu2) ...
Setting up liburi-perl (5.27-1) ...
Setting up libhttp-date-perl (6.06-1) ...
Setting up mecab-ipadic (2.7.0-20070801+main-3) ...
Compiling IPA dictionary for Mecab. This takes long time...
reading /usr/share/mecab/dic/ipadic/unk.def ... 40
emitting double-array: 100% |#####|
/usr/share/mecab/dic/ipadic/model.def is not found. skipped.
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221

```



```

reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
reading /usr/share/mecab/dic/ipadic/Noun.advj.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
reading /usr/share/mecab/dic/ipadic/Noun.adverbal.csv ... 795
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix : 100% |#####|

```

done!

update-alternatives: using /var/lib/mecab/dic/ipadic to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode

Setting up libtirpc3t64:amd64 (1.3.4+ds-1.1build1) ...

Setting up libevent-pthreads-2.1-7t64:amd64 (2.1.12-stable-9ubuntu2) ...

Setting up mysql-server-core-8.0 (8.0.41-0ubuntu0.24.04.1) ...

Setting up mecab-ipadic-utf8 (2.7.0-20070801+main-3) ...

Compiling IPA dictionary for Mecab. This takes long time...

```

reading /usr/share/mecab/dic/ipadic/unk.def ... 40

```

```

emitting double-array: 100% |#####|

```

/usr/share/mecab/dic/ipadic/model.def is not found. skipped.

```

reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999

```

```

reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171

```

```

reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42

```

```

reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210

```

```

reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221

```

```

reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146

```

```

reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328

```

```

reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91

```

```

reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668

```

```

reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42

```

```

reading /usr/share/mecab/dic/ipadic/Others.csv ... 2

```

```

reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19

```

```

reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477

```

```

reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199

```

```

reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202

```

```

reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
reading /usr/share/mecab/dic/ipadic/Noun.adverbal.csv ... 795
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix : 100% |#####|

done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian
(mecab-dictionary) in auto mode
Setting up libhtml-parser-perl:amd64 (3.81-1build3) ...
Setting up libhttp-message-perl (6.45-1ubuntu1) ...
Setting up mysql-server-8.0 (8.0.41-0ubuntu0.24.04.1) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of stop.
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto mode
Renaming removed key_buffer and myisam-recover options (if present)
mysqld will log errors to /var/log/mysql/error.log
mysqld is running as pid 581
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Setting up libcgi-pm-perl (4.63-1) ...
Setting up libhtml-template-perl (2.97-2) ...
Setting up mysql-server (8.0.41-0ubuntu0.24.04.1) ...
Setting up libcgi-fast-perl (1:2.17-1) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
Removing intermediate container 6af19583f5fb
---> a90a25695133
Step 4/7 : RUN a2enmod rewrite
---> Running in 53242fee1b75
Enabling module rewrite.
To activate the new configuration, you need to run:
service apache2 restart
Removing intermediate container 53242fee1b75
---> 0d662472170e
Step 5/7 : COPY supervisord.conf /etc/supervisor/conf.d/supervisord.conf
---> 35fe73f891d5
Step 6/7 : EXPOSE 80 3306
---> Running in faec5222ac35
Removing intermediate container faec5222ac35
---> 0280e2bc2856
Step 7/7 : CMD ["/usr/bin/supervisord", "-c", "/etc/supervisor/conf.d/supervisord.conf"]
---> Running in cf0b9f1a8203

```

```

Removing intermediate container cf0b9f1a8203
---> c8babc45c031
Successfully built c8babc45c031
Successfully tagged my-lamp-image:latest
root@e36f147607a23dfa:~/code# docker run -d -p 80:80 -p 3306:3306 --name lamp-container my-lamp-image
85be6403451a0eca68230d7f85f5a471520682b2f083371379346e2add05151d
root@e36f147607a23dfa:~/code# docker top lamp-container

```

| UID      | PID   | PPID  | C | STIME | TTY | TIME     | CMD   |
|----------|-------|-------|---|-------|-----|----------|---|
| root     | 14131 | 14107 | 0 | 20:05 | ?   | 00:00:00 | /usr/bin/python3 /usr/bin/supervisord -c /etc/supervisor/conf.d/supervisord.conf  |
| root     | 14243 | 14131 | 0 | 20:05 | ?   | 00:00:00 | /bin/sh /usr/sbin/apache2ctl -D FOREGROUND  |
| root     | 14244 | 14131 | 0 | 20:05 | ?   | 00:00:00 | /bin/sh /usr/bin/mysqld_safe  |
| root     | 14246 | 14243 | 0 | 20:05 | ?   | 00:00:00 | /usr/sbin/apache2 -D FOREGROUND   |
| www-data | 14324 | 14246 | 0 | 20:05 | ?   | 00:00:00 | /usr/sbin/apache2 -D FOREGROUND   |
| www-data | 14325 | 14246 | 0 | 20:05 | ?   | 00:00:00 | /usr/sbin/apache2 -D FOREGROUND   |
| www-data | 14327 | 14246 | 0 | 20:05 | ?   | 00:00:00 | /usr/sbin/apache2 -D FOREGROUND   |
| www-data | 14328 | 14246 | 0 | 20:05 | ?   | 00:00:00 | /usr/sbin/apache2 -D FOREGROUND   |
| www-data | 14331 | 14246 | 0 | 20:05 | ?   | 00:00:00 | /usr/sbin/apache2 -D FOREGROUND   |
| _apt     | 14393 | 14244 | 2 | 20:05 | ?   | 00:00:01 | /usr/sbin/mysqld --basedir=/usr --datadir=/var/lib/mysql --plugin-dir=/usr/lib/mysql/plugin --user=mysql --log-error=/var/log/mysql/error.log --pid-file=85be6403451a.pid |

```

root@e36f147607a23dfa:~/code# docker exec lamp-container ps
  PID TTY          TIME CMD
    1 ?        00:00:00 supervisord
    7 ?        00:00:00 apache2ctl
    8 ?        00:00:00 mysqld_safe
   10 ?        00:00:00 apache2
  202 ?        00:00:00 ps
root@e36f147607a23dfa:~/code# docker exec lamp-container kill 835
kill: (835): No such process
root@e36f147607a23dfa:~/code# docker exec lamp-container kill 10
root@e36f147607a23dfa:~/code#

```

You're doing great so far! You've successfully built your LAMP Docker container using `supervisord`, and even tested process management by killing `apache2` inside the container. Now you're asking:

**? How do you view logs to check if `supervisord` restarted the process?**

Here's how to see **container logs**, **supervisord logs**, and **Apache/MySQL logs** inside your Docker container.


---

## ✓ 1. Docker Logs Command (Easiest Way)

Run this command from your terminal:

```
bash

docker logs lamp-container
```

 This shows everything printed to the container's standard output (stdout) and error (stderr), including `supervisord` activity like:

```
pgsql

INFO exited: apache2 (exit status 0; expected)
INFO spawned: 'apache2' with pid 820
INFO success: apache2 entered RUNNING state
```

---

## ✓ 2. Check supervisord's Log File (From Inside the Container)

By default, `supervisord` can be configured to write logs to a file like `/var/log/supervisor/supervisord.log`. If you didn't set it manually, it might still be doing it.

**Run this command:**

```
bash

docker exec -it lamp-container cat /var/log/supervisor/supervisord.log
```

Or to view it with a pager:

```
bash

docker exec -it lamp-container less /var/log/supervisor/supervisord.log
```

---

## ✓ 3. Check Apache Error Logs

Apache logs are usually here:

```
bash

docker exec -it lamp-container tail -f /var/log/apache2/error.log
```

 This shows real-time Apache errors or restarts.

---

## ✓ 4. Check MySQL Logs

MySQL writes to:

```
bash

docker exec -it lamp-container tail -f /var/log/mysql/error.log
```

## ✓ 5. Optional – Add Log File Config to supervisord.conf

If you're not seeing any logs from `supervisord`, add this to your `supervisord.conf` (you can modify and rebuild the image):

```
ini

[supervisord]
nodaemon=true
logfile=/var/log/supervisor/supervisord.log
logfile_maxbytes=50MB
logfile_backups=10
loglevel=info
```

Then rebuild the image and restart the container.

## 🧠 Tip: Monitor logs in real-time

If you want to watch logs live, just run:

```
bash

docker logs -f lamp-container
```

## 🔧 Summary of Useful Log Commands:

| Purpose                   | Command   |
|---------------------------|---|
| See main container logs   | <code>`docker logs lamp-container`</code>   |
| Real-time log follow      | <code>`docker logs -f lamp-container`</code>  |
| View supervisord log file | <code>`docker exec -it lamp-container cat /var/log/supervisor/supervisord.log`</code> |
| View Apache error log     | <code>`docker exec -it lamp-container tail -f /var/log/apache2/error.log`</code>      |
| View MySQL error log      | <code>`docker exec -it lamp-container tail -f /var/log/mysql/error.log`</code>        |

Let me know if you want to **automatically monitor** logs using tools like `Logrotate`, `rsyslog`, or send email alerts when services fail.