

? Docker / Docker Compose + Dockge Setup Guide (Debian 12 Bookworm)

Prerequisites

- Debian Bookworm
- Root or sudo privileges
- Internet access

1. ? Update the System

```
apt update && apt upgrade -y
```

2. ? Install Dependencies

```
apt install apt-transport-https ca-certificates curl software-properties-common gnupg2 -y
```

3. ? Add Docker GPG Key and Repository

“ **Note:** `apt-key` is deprecated. A better method is to store the key in `/etc/apt/keyrings/`, but this follows the legacy method used in the original steps.

```
curl -fsSL https://download.docker.com/linux/debian/gpg | sudo apt-key add -  
echo "deb [arch=amd64] https://download.docker.com/linux/debian $(lsb_release -cs) stable" |  
tee /etc/apt/sources.list.d/docker.list
```

4. ? Install Docker Engine + Compose Plugin

```
apt update && apt install docker-ce -y
```

This installs:

- Docker Engine
- Docker CLI
- Docker Compose plugin (docker compose)
- Supporting packages like containerd.io, iptables, etc.

5. ? Enable Docker on Boot

```
systemctl enable docker
```

6. ? (Optional) Install Legacy docker-compose Binary

```
curl -L "https://github.com/docker/compose/releases/download/1.29.2/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose  
chmod +x /usr/local/bin/docker-compose  
docker-compose --version
```

7. ? Set Up Dockge (Docker Container Manager)

```
mkdir -p /opt/stacks /opt/dockge  
cd /opt/dockge  
curl https://raw.githubusercontent.com/louislam/dockge/master/compose.yaml --output  
compose.yaml  
docker compose up -d
```

This:

- Creates project directories
- Downloads the compose.yaml for Dockge

- Deploys Dockge using Docker Compose

Once running, Dockge will be available via Docker (check `docker ps` for ports).

? Result

- Docker installed and running
 - Docker Compose (v1 and plugin) available
 - Dockge deployed and managing stacks under `/opt/stacks`
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? Notes

- If `apt-key` shows a deprecation warning, consider migrating the key to `/etc/apt/keyrings/docker.gpg` and referencing that path in the `.list` file.
 - Dockge stores stacks in `/opt/stacks`. You can start new apps here using Dockge's web UI.
 - Port for Dockge is defined in the `compose.yaml`.
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Revision #2

Created 2025-07-18 12:14:47 UTC by Slitzer

Updated 2025-07-18 22:35:14 UTC by Slitzer