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

Prerequisites

- Debian Bookworm
- Root or sudo privileges
- Internet access

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1. □□ Update the System

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

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2. □□ Install Dependencies

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

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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
```

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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.

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5. □□ Enable Docker on Boot

```
systemctl enable docker
```

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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
```

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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`

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`.

Revision #2
Created 2025-07-18 12:14:47 UTC by Slitzer
Updated 2025-07-18 22:35:14 UTC by Slitzer