

# Installation Paperless und Paperless-AI

## Verzeichnis anlegen (einmalig)

```
sudo mkdir -p /home/pleibling/docker/paperless/{data,media,export,consume,db,redis,ai}
sudo chown -R 1000:1000 /home/pleibling/docker/paperless
```

`docker-compose.yml` (unter `/home/pleibling/docker/paperless/docker-compose.yml`)

```
version: "3.8"

services:
  paperless-ngx:
    image: ghcr.io/paperless-ngx/paperless-ngx:latest
    container_name: paperless-ngx
    restart: always
    environment:
      - PAPERLESS_REDIS=redis://paperless-redis:6379
      - PAPERLESS_DBHOST=paperless-db
      - PAPERLESS_DBUSER=paperless
      - PAPERLESS_DBPASS=PapPW050725
      - PAPERLESS_SECRET_KEY=G2v3eKLZRIkpMeUcGkLor0Lt6vtzHodKLCRVvYHHjtE=
      - PAPERLESS_AI_ENABLED=1
      - PAPERLESS_AI_PROVIDER=ollama
      - PAPERLESS_AI_MODEL=llama3.1:8b
      - PAPERLESS_AI_HOST=http://192.168.33.200:11434
```

- PAPERLESS\_ALLOWED\_HOSTS=dms.leibling.de,192.168.33.200,localhost

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PAPERLESS\_CSRF\_TRUSTED\_ORIGINS=https://dms.leibling.de,http://192.168.33.200:8080,http://localhost:8080

- USERMAP\_UID=1000

- USERMAP\_GID=1000

- PAPERLESS\_TIKA\_ENABLED=true

- PAPERLESS\_TIKA\_ENDPOINT=http://tika:9998

- PAPERLESS\_CONVERT\_OFFICE=true

- PAPERLESS\_TIKA\_CONVERT\_OFFICE=true

- PAPERLESS\_GOTENBERG\_ENABLED=true

- PAPERLESS\_GOTENBERG\_ENDPOINT=http://gotenberg:3000

- RAG\_SERVICE\_ENABLED=true

- RAG\_SERVICE\_URL=http://paperless-ai:8000

ports:

- "8080:8000"

volumes:

- /opt/docker/paperless/data:/usr/src/paperless/data

- /opt/docker/paperless/media:/usr/src/paperless/media

- /opt/docker/paperless/export:/usr/src/paperless/export

- /opt/docker/paperless/consume:/usr/src/paperless/consume

depends\_on:

- paperless-db

- paperless-redis

gotenberg:

image: gotenberg/gotenberg:7

container\_name: paperless-gotenberg

restart: always

ports:

- "3002:3000"

security\_opt:

- no-new-privileges:true

cap\_drop:

- ALL

tika:

image: apache/tika

container\_name: paperless-tika

restart: always

ports:

- "3003:9998"

security\_opt:

- no-new-privileges:true

cap\_drop:

- ALL

paperless-db:

image: postgres:15

container\_name: paperless-db

restart: always

environment:

- POSTGRES\_DB=paperless
- POSTGRES\_USER=paperless
- POSTGRES\_PASSWORD=PapPW050725

volumes:

- /opt/docker/paperless/db:/var/lib/postgresql/data

paperless-redis:

image: redis:7

container\_name: paperless-redis

restart: always

volumes:

- /opt/docker/paperless/redis:/data

paperless-ai:

image: clusterzx/paperless-ai

container\_name: paperless-ai

restart: always

environment:

- PUID=1000
- PGID=1000
- PAPERLESS\_AI\_PORT=3000
- RAG\_SERVICE\_ENABLED=true
- RAG\_SERVICE\_URL=http://paperless-ai:3000

ports:

- "3010:3000"

volumes:

- /opt/docker/paperless/ai:/app/data

deploy:

resources:

```
reservations:
  devices:
    - capabilities: ["gpu"]
```

### Wichtig:

- Deine **Ollama-Instanz** läuft in einem anderen Stack (Ollama/OpenWebUI). Zugriff erfolgt hier **per IP/Port** (`http://192.168.33.200:11434`) – das ist ideal, da unterschiedliche Compose-Netzwerke sich sonst nicht automatisch sehen.
- Wenn du später **TLS/Reverse Proxy** (z. B. Traefik/Caddy/Nginx) nutzt, passe `PAPERLESS_ALLOWED_HOSTS` und `PAPERLESS_CSRF_TRUSTED_ORIGINS` an.

# Start/Update

```
cd /home/pleibling/docker/paperless
docker compose up -d
# Update:
docker compose pull && docker compose up -d
```

# Kurzer Funktionstest

- Paperless-NGX: `http://<VM-IP>:8080`
- RAG-API (intern gemappt): `http://<VM-IP>:3010/health` → sollte `ok` liefern
- Tika: `http://<VM-IP>:3003/version`
- Gutenberg: `http://<VM-IP>:3002/health`

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