

REI3 Low-Code- Plattform

Schnell mächtige Mehrbenutzeranwendungen erstellen, um Software-Anforderungen zu erfüllen - auf Wiedersehen Excel-Listen, geteilte Postfächer und andere "Lösungen".

Datenspeicher erstellen, Formulare zusammenklicken, Workflows einrichten, Zugriffe steuern, E-Mails zeitgesteuert versenden und vieles mehr. Alles Teil von REI3, der offenen Low-Code-Plattform. Frei nutzbar für alle.

- Installation & Grundkonfiguration
 - Installation Docker
 - Ersteinrichtung
- Backup & Restore
 - Daten einer einzelnen Applikation sichern
- Eigene Funktionen
 - Ortsteil überOpenstreetmap holen
 - Aktuelles Datum mit Uhrzeit in ein Feld setzen

Installation & Grundkonfiguration

Installation Docker

Beschreibung:

Installation mit Docker und self signed Zertifikat (Auch wenn es nur 7 Tage gültig ist, neustart webservice verlängert das ganze)

Dazu erstellen wir im Anschluss ein systemd Dienst der alle 6 Tage , Also vor Ablauf, Vorsicht ist die Mutter der Porzellanbox, den Container neustartet. Man kann natürlich auch Lets encrypt verwenden, dazu die Caddyfile anpassen mit Domain und tls email.

Dann braucht man den Timer nicht mehr. Siehe dazu Buch Caddy

Hinweis: Der Caddy container aktualisiert das **SELBSTSIGNIERTE** Zertifikat, allerdings schnallt der Browser das nicht.

Immer nach zwölf Stunden einmal STRG+F5 drücken. oder wenn da steht warte auf Serververbindung.

Dies passiert bei Lets Encrypt Zertifikaten natürlich **NICHT**

Tipp : nginx für selbst signierte zertifikate nehmen!

Vorraussetzungen:

```
apt install curl docker.io docker-compose
```

Installation:

Verzeichnisse Erstellen

```
mkdir -p /root/rei3/caddy_data  
mkdir -p /root/rei3/caddy_config  
mkdir -p /root/rei3/data_db  
mkdir -p /root/rei3/data_app/temp  
mkdir -p /root/rei3/data_app/transfer  
mkdir -p /root/rei3/data_app/files  
mkdir -p /root/rei3/data_app/backup  
mkdir -p /root/rei3/data_app/certificates
```

Unsere Docker Compose Datei

```
nano /root/rei3/docker-compose.yml
```

Inhalt:

```
version: '3.3'

services:
  r3_db:
    container_name: r${R3_VERSION:-3.8.6}_db
    environment:
      POSTGRES_DB: ${R3_DB_NAME:-app}
      POSTGRES_USER: ${R3_DB_USER:-app}
      POSTGRES_PASSWORD: ${R3_DB_PASS:-app}
    image: postgres:latest
    restart: always
    volumes:
      - ./data_db:/var/lib/postgresql/data
  r3:
    build:
      context: https://github.com/r3-team/r3_docker.git#main
      args:
        r3_version: ${R3_VERSION:-3.8.6}
        r3_db_host: r3_db
        r3_db_name: ${R3_DB_NAME:-app}
        r3_db_user: ${R3_DB_USER:-app}
        r3_db_pass: ${R3_DB_PASS:-app}
        r3_os_arch: x64
        im_policy: /etc/ImageMagick-6/policy.xml
    container_name: r${R3_VERSION:-3.8.6}_app
    image: "r3/${R3_VERSION:-3.8.6}"
    depends_on:
      - r3_db
    #ports:
    # - "14000:80"
    restart: always
    volumes:
      - ./data_app:/opt/r3/data
      - ./data_app/backup:/opt/r3/backup
```

```
caddy:
  image: caddy:latest
  container_name: caddy-reverse-proxy
  ports:
    - "80:80"
    - "443:443"
  volumes:
    - ./Caddyfile:/etc/caddy/Caddyfile
    - ./caddy_data:/data
    - ./caddy_config:/config
  restart: unless-stopped
```

Nun die Caddy File

```
nano /root/rei3/Caddyfile
```

Inhalt für Selbst signiertes Zertifikat

Es muss ein DNS vergeben sein, diesen zum beispiel in die hosts Datei eintragen. Besser natürlich man hat einen Router wo man noch DNS Einträge erweitern kann.

```
rei3.local.lan {
  reverse_proxy http://r3:80
  tls internal
}
```

Inhalt für Letsencrypt, wenn man es erst testen möchte mit Staging einfach den Kommentar entfernen.

```
example.com {
  reverse_proxy http://r3:80
  tls <deine_emailadresse> {
    #ca https://acme-staging-v02.api.letsencrypt.org/directory
  }
}
```

Container starten

```
cd /root/rei3
```

```
dcoker-compose up -d
```

Da das Image gebaut wird, dauert das eine weile ca 1-5 Minuten.

Sollte der Build Prozess bei den Updates vom Betriebssystem hängen bleiben mit srg+c abbrechen und nochmal starten.

Er macht da weiter wo aufgehört wurde.

NGINX Variante:

anstatt Caddy in docker-compose.yml diesen NGINX Abschnitt rein

```
nginx:
  image: nginx:stable
  container_name: nginx-proxy
  volumes:
    - ./nginx-proxy.conf:/etc/nginx/nginx.conf:ro
    - ./nginx/ssl:/etc/nginx/ssl
  ports:
    - "80:80"
    - "443:443"
  depends_on:
    - r3
  restart: always
```

Nun noch die Zertifikate erstellen

Hier ein script:

```
#!/bin/bash
CERT_DIR="/root/rei3/nginx/ssl"
mkdir -p $CERT_DIR

openssl req -x509 -nodes -days 36500 -newkey rsa:2048 \
  -keyout $CERT_DIR/key.pem -out $CERT_DIR/cert.pem \
  -subj "/C=US/ST=Example/L=Example/O=Example/CN=example.com"
```

Nun die nginx.config

```
events {
  worker_connections 1024;
}
```

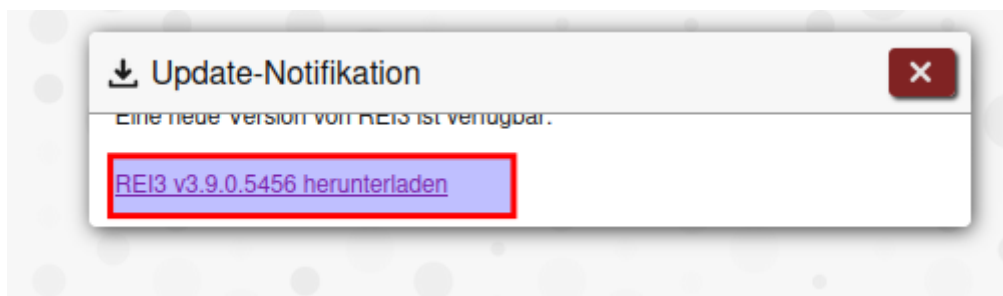
```
http {
  server {
    listen 80;
    return 301 https://$host$request_uri;
  }

  server {
    listen 443 ssl;
    ssl_certificate /etc/nginx/ssl/cert.pem;
    ssl_certificate_key /etc/nginx/ssl/key.pem;

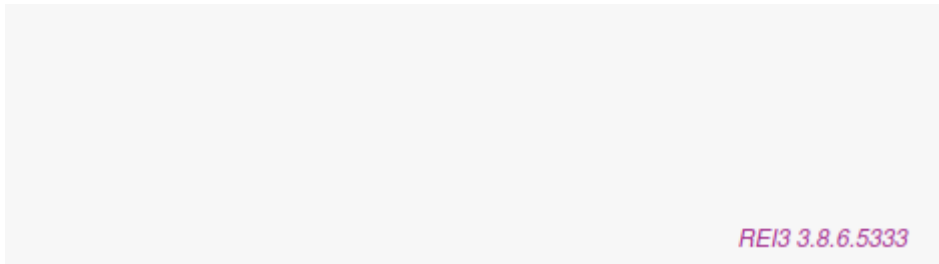
    location / {
      proxy_pass http://r3:80;
      proxy_set_header Host $host;
      proxy_set_header X-Real-IP $remote_addr;
      proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
      proxy_set_header X-Forwarded-Proto $scheme;
      proxy_set_header Upgrade websocket;
      proxy_set_header Connection Upgrade;
      proxy_read_timeout 20d;
      client_max_body_size 100M;
    }
  }
}
```

rei3 Updaten

Wenn es ein Update gibt sagt rei3 das in der GUI, dort dann auf Download klicken



Unten rechts in der Ecke steht unsere installierte Version



Dann runterscrollen bis Docker und amd64 auswählen, falls Ihr arm64 habt dann natürlich arm 64 aber ist hier eigentlich auch egal, weil wir nur Versionsnummern austauschen.

A screenshot of the REI3 website. The 'REI3 mit Docker' section is highlighted. It contains two buttons: 'Docker (x64)' and 'Docker (arm64)'. The 'Docker (x64)' button is highlighted with a red box. The 'REI3 ausprobieren' section is also visible on the left, with buttons for 'Demosystem öffnen' and 'Download portable Version'.

REI3 ausprobieren

Wie bieten ein öffentliches Demosystem für Live-Tests - keine Anmeldung erforderlich. Eine portable Version zur direkten Ausführung unter Windows ist ebenfalls verfügbar.

[Demosystem öffnen](#) [Download portable Version](#)

REI3 mit Docker

Fahren Sie schnell eine Entwicklungs- oder Testumgebung hoch mit Docker. Mithilfe der richtigen Docker Compose-Datei, starten Sie direkt eine vollständige REI3-Instanz.

[Docker \(x64\)](#) [Docker \(arm64\)](#)

Jetzt lädt er nur eine neue Docker compose Datei herunter.

Hier interessiert uns nur die Versionsnummer. In unserem Beispiel Version 3.9

Installiert ist Version 3.8 sonst gäbe es ja keine Update Benachrichtigung

```

version: '3.3'

services:
  r3_db:
    container_name: r${R3_VERSION}-3.9_db
    environment:
      POSTGRES_DB: ${R3_DB_NAME:-app}
      POSTGRES_USER: ${R3_DB_USER:-app}
      POSTGRES_PASSWORD: ${R3_DB_PASS:-app}
    image: postgres:latest
    restart: always
    volumes:
      - data_db:/var/lib/postgresql/data

  r3:
    build:
      context: https://github.com/r3-team/r3_docker.git#main
      args:
        r3_version: ${R3_VERSION}-3.9
        r3_db_host: r3_db
        r3_db_name: ${R3_DB_NAME:-app}
        r3_db_user: ${R3_DB_USER:-app}
        r3_db_pass: ${R3_DB_PASS:-app}
        r3_os_arch: x64
        im_policy: /etc/ImageMagick-6/policy.xml
    container_name: r${R3_VERSION}-3.9_app
    image: "r3/${R3_VERSION}-3.9"
    depends_on:
      - r3_db
    ports:
      - "14000:80"
    restart: always
    volumes:
      - data_app:/opt/r3/data

volumes:
  data_db:
  data_app:

```

Da es immer mühselig ist, alles per Hand zu ändern hier ein Update python script, was auch gleich den Container neubaut.

```
nano /root/rei3/update_rei3.py
```

Inhalt

```

import sys
import os
import shutil
from datetime import datetime
import subprocess

```

```

import re

def update_docker_compose(version):
    # Aktuelles Verzeichnis und Dateiname der docker-compose-Datei
    current_dir = os.path.dirname(os.path.abspath(__file__))
    compose_file = os.path.join(current_dir, "docker-compose.yml")

    # Sicherungskopie erstellen
    timestamp = datetime.now().strftime("%Y%m%d_%H%M%S")
    backup_file = os.path.join(current_dir, f"docker-compose_backup_{timestamp}.yml")
    shutil.copy2(compose_file, backup_file)
    print(f"Sicherungskopie erstellt: {backup_file}")

    # Datei lesen, den Platzhalter ersetzen und Datei überschreiben
    with open(compose_file, "r") as file:
        content = file.read()

    # Ersetze den Ausdruck ${R3_VERSION:-...} flexibel mit dem neuen Versionswert
    new_content = re.sub(r"\${R3_VERSION:-[^\}]*}", f"${R3_VERSION:-{version}}", content)

    with open(compose_file, "w") as file:
        file.write(new_content)
    print(f"Version in {compose_file} aktualisiert auf: {version}")

    # Docker Compose up mit build-Option ausführen
    try:
        subprocess.run(["docker-compose", "up", "-d", "--build", "r3"], check=True, cwd=current_dir)
        print("Docker Compose erfolgreich gestartet.")
    except subprocess.CalledProcessError as e:
        print(f"Fehler beim Ausführen von docker-compose: {e}")

if __name__ == "__main__":
    if len(sys.argv) != 2:
        print("Verwendung: python3 update_rei3.py <neue_version>")
    else:
        version = sys.argv[1]
        update_docker_compose(version)

```

Aufruf

```
python3 update_rei3.py <neue_version>
```

```
python3 update_rei3.py 3.9
```

Ausgabe:

update_rei3.py

```
root@rei3:~/rei3# python3 update_rei3.py 3.9
Sicherungskopie erstellt: /root/rei3/docker-compose_backup_20241031_113425.yml
Version in /root/rei3/docker-compose.yml aktualisiert auf: 3.9
Building r3
Sending build context to Docker daemon 84.48kB
Step 1/14 : FROM debian:stable-slim
---> 9bd2141d306a
Step 2/14 : ARG r3_db_host
---> Using cache
---> 6c9382cac483
Step 3/14 : ARG r3_db_name
---> Using cache
---> ac65017e50ac
Step 4/14 : ARG r3_db_user
---> Using cache
---> 2efd660d7baf
Step 5/14 : ARG r3_db_pass
---> Using cache
---> 85f6f2ecedb2
Step 6/14 : ARG r3_os_arch
---> Using cache
---> 8d1396419d04
Step 7/14 : ARG r3_version
---> Using cache
---> 6c2caf18de04
Step 8/14 : ARG im_policy
---> Using cache
---> f6a53c97cf00
Step 9/14 : RUN bash -c 'mkdir -p /opt/r3/data/{certificates,files,temp,transfer}' && apt-get
update && apt-get install imagemagick ghostscript postgresql-client ca-certificates -y &&
update-ca-certificates && if [ -f $im_policy ] ; then sed -i 's/<policy domain="coder"
rights="none" pattern="PDF" V>/<policy domain="coder" rights="read|write" pattern="PDF"
V>/g' $im_policy ; else echo no file $im_policy ; fi
---> Running in e8cb2ea36352
Get:1 http://deb.debian.org/debian stable InRelease [151 kB]
Get:2 http://deb.debian.org/debian stable-updates InRelease [55.4 kB]
```

Get:3 <http://deb.debian.org/debian-security> stable-security InRelease [48.0 kB]
Get:4 <http://deb.debian.org/debian> stable/main amd64 Packages [8787 kB]
Get:5 <http://deb.debian.org/debian> stable-updates/main amd64 Packages [2468 B]
Get:6 <http://deb.debian.org/debian-security> stable-security/main amd64 Packages [190 kB]
Fetched 9234 kB in 3s (3449 kB/s)

Reading package lists...

Reading package lists...

Building dependency tree...

Reading state information...

The following additional packages will be installed:

dbus dbus-bin dbus-daemon dbus-session-bus-common dbus-system-bus-common
fontconfig fontconfig-config fonts-dejavu-core fonts-droid-fallback
fonts- noto-mono fonts-urw-base35 gsfonts hicolor-icon-theme
imagemagick-6-common imagemagick-6.q16 krb5-locales libaom3 libapparmor1
libavahi-client3 libavahi-common-data libavahi-common3 libbrotli1 libbsd0
libcairo2 libcups2 libdatrie1 libdav1d6 libdbus-1-3 libde265-0 libdeflate0
libdjvulibre-text libdjvulibre21 libexpat1 libfftw3-double3 libfontconfig1
libfontenc1 libfreetype6 libfribidi0 libgdbm-compat4 libgdbm6 libglib2.0-0
libglib2.0-data libgomp1 libgraphite2-3 libgs-common libgs10 libgs10-common
libgssapi-krb5-2 libharfbuzz0b libheif1 libice6 libicu72 libidn12
libijs-0.35 libimath-3-1-29 libjbig0 libjbig2dec0 libjpeg62-turbo
libjxr-tools libjxr0 libk5crypto3 libkeyutils1 libkrb5-3 libkrb5support0
liblcms2-2 libldap-2.5-0 libldap-common liblerc4 liblqr-1-0 libltdl7
libmagickcore-6.q16-6 libmagickcore-6.q16-6-extra libmagickwand-6.q16-6
libnetpbm11 libnuma1 libopenexr-3-1-30 libopenjp2-7 libpango-1.0-0
libpangocairo-1.0-0 libpangoft2-1.0-0 libpaper-utils libpaper1 libperl5.36
libpixman-1-0 libpng16-16 libpq5 libreadline8 libsasl2-2 libsasl2-modules
libsasl2-modules-db libsm6 libssl3 libthai-data libthai0 libtiff6 libwebp7
libwebpdemux2 libwebpmux3 libwmflite-0.2-7 libx11-6 libx11-data libx265-199
libxau6 libxcb-render0 libxcb-shm0 libxcb1 libxdmcp6 libxext6 libxml2
libxrender1 libxt6 netbase netpbm openssl perl perl-modules-5.36
poppler-data postgresql-client-15 postgresql-client-common readline-common
sensible-utils shared-mime-info ucf x11-common xdg-user-dirs
xfonts-encodings xfonts-utils

Suggested packages:

default-dbus-session-bus | dbus-session-bus fonts- noto fonts-freefont-otf
| fonts-freefont-ttf fonts-texgyre imagemagick-doc autotrace cups-bsd | lpr
| lprng curl enscript ffmpeg gimp gnuplot grads graphviz groff-base hp2xx
html2ps libwmf-bin mplayer povray radiance sane-utils texlive-base-bin
transfig ufw batch xdg-utils cups-common libfftw3-bin libfftw3-dev
gdbm-110n low-memory-monitor krb5-doc krb5-user liblcms2-utils inkscape
libsasl2-modules-gssapi-mit | libsasl2-modules-gssapi-heimdal
libsasl2-modules-ldap libsasl2-modules-otp libsasl2-modules-sql perl-doc
libterm-readline-gnu-perl | libterm-readline-perl-perl make

libtap-harness-archive-perl poppler-utils fonts-japanese-mincho
| fonts-ipafont-mincho fonts-japanese-gothic | fonts-ipafont-gothic
fonts-arphic-ukai fonts-arphic-uming fonts-nanum postgresql-15
postgresql-doc-15 readline-doc

The following NEW packages will be installed:

ca-certificates dbus dbus-bin dbus-daemon dbus-session-bus-common
dbus-system-bus-common fontconfig fontconfig-config fonts-dejavu-core
fonts-droid-fallback fonts-noto-mono fonts-urw-base35 ghostscript gsfonts
hicolor-icon-theme imagemagick imagemagick-6-common imagemagick-6.q16
krb5-locales libaom3 libapparmor1 libavahi-client3 libavahi-common-data
libavahi-common3 libbrotli1 libbsd0 libcairo2 libcups2 libdatrie1 libdav1d6
libdbus-1-3 libde265-0 libdeflate0 libdjvulibre-text libdjvulibre21
libexpat1 libfftw3-double3 libfontconfig1 libfontenc1 libfreetype6
libfribidi0 libgdbm-compat4 libgdbm6 libglib2.0-0 libglib2.0-data libgomp1
libgraphite2-3 libgs-common libgs10 libgs10-common libgssapi-krb5-2
libharfbuzz0b libheif1 libice6 libicu72 libidn12 libijs-0.35 libimath-3-1-29
libjbig0 libjbig2dec0 libjpeg62-turbo libjxr-tools libjxr0 libk5crypto3
libkeyutils1 libkrb5-3 libkrb5support0 liblcms2-2 libldap-2.5-0
libldap-common liblerc4 liblqr-1-0 libltdl7 libmagickcore-6.q16-6
libmagickcore-6.q16-6-extra libmagickwand-6.q16-6 libnetpbm11 libnuma1
libopenexr-3-1-30 libopenjp2-7 libpango-1.0-0 libpangocairo-1.0-0
libpangoft2-1.0-0 libpaper-utils libpaper1 libperl5.36 libpixmap-1-0
libpng16-16 libpq5 libreadline8 libsasl2-2 libsasl2-modules
libsasl2-modules-db libsm6 libssl3 libthai-data libthai0 libtiff6 libwebp7
libwebpdemux2 libwebpmux3 libwmflite-0.2-7 libx11-6 libx11-data libx265-199
libxau6 libxcb-render0 libxcb-shm0 libxcb1 libxdmcp6 libxext6 libxml2
libxrender1 libxt6 netbase netpbm openssl perl perl-modules-5.36
poppler-data postgresql-client postgresql-client-15 postgresql-client-common
readline-common sensible-utils shared-mime-info ucf x11-common xdg-user-dirs
xfonts-encodings xfonts-utils

0 upgraded, 131 newly installed, 0 to remove and 0 not upgraded.

Need to get 70.9 MB of archives.

After this operation, 277 MB of additional disk space will be used.

Get:1 <http://deb.debian.org/debian stable/main amd64 libdbus-1-3 amd64 1.14.10-1~deb12u1>
[201 kB]

Get:2 <http://deb.debian.org/debian stable/main amd64 dbus-bin amd64 1.14.10-1~deb12u1>
[105 kB]

Get:3 <http://deb.debian.org/debian stable/main amd64 dbus-session-bus-common all 1.14.10-1~deb12u1> [78.2 kB]

Get:4 <http://deb.debian.org/debian stable/main amd64 libapparmor1 amd64 3.0.8-3> [41.2 kB]

Get:5 <http://deb.debian.org/debian-security stable-security/main amd64 libexpat1 amd64 2.5.0-1+deb12u1> [98.9 kB]

Get:6 <http://deb.debian.org/debian stable/main amd64 dbus-daemon amd64 1.14.10-1~deb12u1> [184 kB]

Get:7 <http://deb.debian.org/debian stable/main amd64 dbus-system-bus-common> all 1.14.10-1~deb12u1 [79.3 kB]
Get:8 <http://deb.debian.org/debian stable/main amd64 dbus> amd64 1.14.10-1~deb12u1 [97.4 kB]
Get:9 <http://deb.debian.org/debian stable/main amd64 perl-modules-5.36> all 5.36.0-7+deb12u1 [2815 kB]
Get:10 <http://deb.debian.org/debian stable/main amd64 libgdbm6> amd64 1.23-3 [72.2 kB]
Get:11 <http://deb.debian.org/debian stable/main amd64 libgdbm-compat4> amd64 1.23-3 [48.2 kB]
Get:12 <http://deb.debian.org/debian stable/main amd64 libperl5.36> amd64 5.36.0-7+deb12u1 [4218 kB]
Get:13 <http://deb.debian.org/debian stable/main amd64 perl> amd64 5.36.0-7+deb12u1 [239 kB]
Get:14 <http://deb.debian.org/debian stable/main amd64 fonts-droid-fallback> all 1:6.0.1r16-1.1 [1807 kB]
Get:15 <http://deb.debian.org/debian stable/main amd64 libgomp1> amd64 12.2.0-14 [116 kB]
Get:16 <http://deb.debian.org/debian stable/main amd64 libfftw3-double3> amd64 3.3.10-1 [776 kB]
Get:17 <http://deb.debian.org/debian stable/main amd64 libbrotli1> amd64 1.0.9-2+b6 [275 kB]
Get:18 <http://deb.debian.org/debian stable/main amd64 libpng16-16> amd64 1.6.39-2 [276 kB]
Get:19 <http://deb.debian.org/debian stable/main amd64 libfreetype6> amd64 2.12.1+dfsg-5+deb12u3 [398 kB]
Get:20 <http://deb.debian.org/debian stable/main amd64 fonts-dejavu-core> all 2.37-6 [1068 kB]
Get:21 <http://deb.debian.org/debian stable/main amd64 libfontenc1> amd64 1:1.1.4-1 [24.3 kB]
Get:22 <http://deb.debian.org/debian stable/main amd64 x11-common> all 1:7.7+23 [252 kB]
Get:23 <http://deb.debian.org/debian stable/main amd64 xfonts-encodings> all 1:1.0.4-2.2 [577 kB]
Get:24 <http://deb.debian.org/debian stable/main amd64 xfonts-utils> amd64 1:7.7+6 [93.0 kB]
Get:25 <http://deb.debian.org/debian stable/main amd64 fonts-urw-base35> all 20200910-7 [10.8 MB]
Get:26 <http://deb.debian.org/debian stable/main amd64 fontconfig-config> amd64 2.14.1-4 [315 kB]
Get:27 <http://deb.debian.org/debian stable/main amd64 libfontconfig1> amd64 2.14.1-4 [386 kB]
Get:28 <http://deb.debian.org/debian stable/main amd64 libaom3> amd64 3.6.0-1+deb12u1 [1851 kB]
Get:29 <http://deb.debian.org/debian stable/main amd64 libdav1d6> amd64 1.0.0-2+deb12u1 [513 kB]
Get:30 <http://deb.debian.org/debian stable/main amd64 libde265-0> amd64 1.0.11-1+deb12u2 [185 kB]
Get:31 <http://deb.debian.org/debian stable/main amd64 libnuma1> amd64 2.0.16-1 [21.0 kB]
Get:32 <http://deb.debian.org/debian stable/main amd64 libx265-199> amd64 3.5-2+b1 [1150 kB]
Get:33 <http://deb.debian.org/debian-security stable-security/main amd64 libheif1> amd64 1.15.1-1+deb12u1 [215 kB]

Get:34 <http://deb.debian.org/debian stable/main amd64 libjbig0 amd64 2.1-6.1> [31.7 kB]
Get:35 <http://deb.debian.org/debian stable/main amd64 libjpeg62-turbo amd64 1:2.1.5-2> [166 kB]
Get:36 <http://deb.debian.org/debian stable/main amd64 liblcms2-2 amd64 2.14-2> [154 kB]
Get:37 <http://deb.debian.org/debian stable/main amd64 libglib2.0-0 amd64 2.74.6-2+deb12u3> [1400 kB]
Get:38 <http://deb.debian.org/debian stable/main amd64 liblqr-1-0 amd64 0.4.2-2.1> [29.1 kB]
Get:39 <http://deb.debian.org/debian stable/main amd64 libltdl7 amd64 2.4.7-7~deb12u1> [393 kB]
Get:40 <http://deb.debian.org/debian stable/main amd64 libopenjp2-7 amd64 2.5.0-2> [189 kB]
Get:41 <http://deb.debian.org/debian stable/main amd64 libdeflate0 amd64 1.14-1> [61.4 kB]
Get:42 <http://deb.debian.org/debian stable/main amd64 liblerc4 amd64 4.0.0+ds-2> [170 kB]
Get:43 <http://deb.debian.org/debian stable/main amd64 libwebp7 amd64 1.2.4-0.2+deb12u1> [286 kB]
Get:44 <http://deb.debian.org/debian stable/main amd64 libtiff6 amd64 4.5.0-6+deb12u1> [316 kB]
Get:45 <http://deb.debian.org/debian stable/main amd64 libwebpdemux2 amd64 1.2.4-0.2+deb12u1> [99.4 kB]
Get:46 <http://deb.debian.org/debian stable/main amd64 libwebpmux3 amd64 1.2.4-0.2+deb12u1> [109 kB]
Get:47 <http://deb.debian.org/debian stable/main amd64 libxau6 amd64 1:1.0.9-1> [19.7 kB]
Get:48 <http://deb.debian.org/debian stable/main amd64 libbsd0 amd64 0.11.7-2> [117 kB]
Get:49 <http://deb.debian.org/debian stable/main amd64 libxdmcp6 amd64 1:1.1.2-3> [26.3 kB]
Get:50 <http://deb.debian.org/debian stable/main amd64 libxcb1 amd64 1.15-1> [144 kB]
Get:51 <http://deb.debian.org/debian stable/main amd64 libx11-data all 2:1.8.4-2+deb12u2> [292 kB]
Get:52 <http://deb.debian.org/debian stable/main amd64 libx11-6 amd64 2:1.8.4-2+deb12u2> [760 kB]
Get:53 <http://deb.debian.org/debian stable/main amd64 libxext6 amd64 2:1.3.4-1+b1> [52.9 kB]
Get:54 <http://deb.debian.org/debian stable/main amd64 libicu72 amd64 72.1-3> [9376 kB]
Get:55 <http://deb.debian.org/debian stable/main amd64 libxml2 amd64 2.9.14+dfsg-1.3~deb12u1> [687 kB]
Get:56 <http://deb.debian.org/debian stable/main amd64 imagemagick-6-common all 8:6.9.11.60+dfsg-1.6+deb12u2> [166 kB]
Get:57 <http://deb.debian.org/debian stable/main amd64 libmagickcore-6.q16-6 amd64 8:6.9.11.60+dfsg-1.6+deb12u2> [1787 kB]
Get:58 <http://deb.debian.org/debian stable/main amd64 libmagickwand-6.q16-6 amd64 8:6.9.11.60+dfsg-1.6+deb12u2> [409 kB]
Get:59 <http://deb.debian.org/debian stable/main amd64 poppler-data all 0.4.12-1> [1601 kB]
Get:60 <http://deb.debian.org/debian stable/main amd64 netbase all 6.4> [12.8 kB]
Get:61 <http://deb.debian.org/debian stable/main amd64 readline-common all 8.2-1.3> [69.0 kB]
Get:62 <http://deb.debian.org/debian stable/main amd64 sensible-utils all 0.0.17+nmu1> [19.0 kB]
Get:63

1~deb12u2 [2024 kB]
Get:64 <http://deb.debian.org/debian-security stable-security/main amd64 openssl amd64 3.0.14-1~deb12u2> [1423 kB]
Get:65 <http://deb.debian.org/debian stable/main amd64 ca-certificates all 20230311> [153 kB]
Get:66 <http://deb.debian.org/debian stable/main amd64 krb5-locales all 1.20.1-2+deb12u2> [62.8 kB]
Get:67 <http://deb.debian.org/debian stable/main amd64 ucf all 3.0043+nmu1> [55.2 kB]
Get:68 <http://deb.debian.org/debian stable/main amd64 fontconfig amd64 2.14.1-4> [449 kB]
Get:69 <http://deb.debian.org/debian stable/main amd64 fonts- noto-mono all 20201225-1> [402 kB]
Get:70 <http://deb.debian.org/debian-security stable-security/main amd64 libgs-common all 10.0.0~dfsg-11+deb12u5> [149 kB]
Get:71 <http://deb.debian.org/debian-security stable-security/main amd64 libgs10-common all 10.0.0~dfsg-11+deb12u5> [586 kB]
Get:72 <http://deb.debian.org/debian stable/main amd64 libavahi-common-data amd64 0.8-10> [107 kB]
Get:73 <http://deb.debian.org/debian stable/main amd64 libavahi-common3 amd64 0.8-10> [41.6 kB]
Get:74 <http://deb.debian.org/debian stable/main amd64 libavahi-client3 amd64 0.8-10> [45.5 kB]
Get:75 <http://deb.debian.org/debian stable/main amd64 libkrb5support0 amd64 1.20.1-2+deb12u2> [32.6 kB]
Get:76 <http://deb.debian.org/debian stable/main amd64 libk5crypto3 amd64 1.20.1-2+deb12u2> [78.7 kB]
Get:77 <http://deb.debian.org/debian stable/main amd64 libkeyutils1 amd64 1.6.3-2> [8808 B]
Get:78 <http://deb.debian.org/debian stable/main amd64 libkrb5-3 amd64 1.20.1-2+deb12u2> [332 kB]
Get:79 <http://deb.debian.org/debian stable/main amd64 libgssapi-krb5-2 amd64 1.20.1-2+deb12u2> [135 kB]
Get:80 <http://deb.debian.org/debian-security stable-security/main amd64 libcups2 amd64 2.4.2-3+deb12u8> [246 kB]
Get:81 <http://deb.debian.org/debian stable/main amd64 libidn12 amd64 1.41-1> [83.8 kB]
Get:82 <http://deb.debian.org/debian stable/main amd64 libijs-0.35 amd64 0.35-15> [16.4 kB]
Get:83 <http://deb.debian.org/debian stable/main amd64 libjbig2dec0 amd64 0.19-3> [67.2 kB]
Get:84 <http://deb.debian.org/debian stable/main amd64 libpaper1 amd64 1.1.29> [12.5 kB]
Get:85 <http://deb.debian.org/debian stable/main amd64 libice6 amd64 2:1.0.10-1> [58.5 kB]
Get:86 <http://deb.debian.org/debian stable/main amd64 libsm6 amd64 2:1.2.3-1> [35.1 kB]
Get:87 <http://deb.debian.org/debian stable/main amd64 libxt6 amd64 1:1.2.1-1.1> [186 kB]
Get:88 <http://deb.debian.org/debian-security stable-security/main amd64 libgs10 amd64 10.0.0~dfsg-11+deb12u5> [2468 kB]
Get:89 <http://deb.debian.org/debian-security stable-security/main amd64 ghostscript amd64 10.0.0~dfsg-11+deb12u5> [57.2 kB]
Get:90 <http://deb.debian.org/debian stable/main amd64 gsfonts all 2:20200910-7> [18.5 kB]
Get:91 <http://deb.debian.org/debian stable/main amd64 hicolor-icon-theme all 0.17-2> [11.4 kB]

Get:92 <http://deb.debian.org/debian stable/main amd64 imagemagick-6.q16 amd64 8:6.9.11.60+dfsg-1.6+deb12u2> [339 kB]
Get:93 <http://deb.debian.org/debian stable/main amd64 imagemagick amd64 8:6.9.11.60+dfsg-1.6+deb12u2> [122 kB]
Get:94 <http://deb.debian.org/debian stable/main amd64 libpixmap-1-0 amd64 0.42.2-1> [546 kB]
Get:95 <http://deb.debian.org/debian stable/main amd64 libxcb-render0 amd64 1.15-1> [115 kB]
Get:96 <http://deb.debian.org/debian stable/main amd64 libxcb-shm0 amd64 1.15-1> [105 kB]
Get:97 <http://deb.debian.org/debian stable/main amd64 libxrender1 amd64 1:0.9.10-1.1> [33.2 kB]
Get:98 <http://deb.debian.org/debian stable/main amd64 libcairo2 amd64 1.16.0-7> [575 kB]
Get:99 <http://deb.debian.org/debian stable/main amd64 libdatrie1 amd64 0.2.13-2+b1> [43.3 kB]
Get:100 <http://deb.debian.org/debian stable/main amd64 libdjvulibre-text all 3.5.28-2> [61.8 kB]
Get:101 <http://deb.debian.org/debian stable/main amd64 libdjvulibre21 amd64 3.5.28-2+b1> [585 kB]
Get:102 <http://deb.debian.org/debian stable/main amd64 libfribidi0 amd64 1.0.8-2.1> [65.0 kB]
Get:103 <http://deb.debian.org/debian stable/main amd64 libglib2.0-data all 2.74.6-2+deb12u3> [1209 kB]
Get:104 <http://deb.debian.org/debian stable/main amd64 libgraphite2-3 amd64 1.3.14-1> [81.2 kB]
Get:105 <http://deb.debian.org/debian stable/main amd64 libharfbuzz0b amd64 6.0.0+dfsg-3> [1945 kB]
Get:106 <http://deb.debian.org/debian stable/main amd64 libimath-3-1-29 amd64 3.1.6-1> [47.4 kB]
Get:107 <http://deb.debian.org/debian stable/main amd64 libjxr0 amd64 1.2~git20170615.f752187-5> [162 kB]
Get:108 <http://deb.debian.org/debian stable/main amd64 libjxr-tools amd64 1.2~git20170615.f752187-5> [17.3 kB]
Get:109 <http://deb.debian.org/debian stable/main amd64 libsasl2-modules-db amd64 2.1.28+dfsg-10> [20.3 kB]
Get:110 <http://deb.debian.org/debian stable/main amd64 libsasl2-2 amd64 2.1.28+dfsg-10> [59.7 kB]
Get:111 <http://deb.debian.org/debian stable/main amd64 libldap-2.5-0 amd64 2.5.13+dfsg-5> [183 kB]
Get:112 <http://deb.debian.org/debian stable/main amd64 libldap-common all 2.5.13+dfsg-5> [29.3 kB]
Get:113 <http://deb.debian.org/debian stable/main amd64 libopenexr-3-1-30 amd64 3.1.5-5> [923 kB]
Get:114 <http://deb.debian.org/debian stable/main amd64 libthai-data all 0.1.29-1> [176 kB]
Get:115 <http://deb.debian.org/debian stable/main amd64 libthai0 amd64 0.1.29-1> [57.5 kB]
Get:116 <http://deb.debian.org/debian stable/main amd64 libpango-1.0-0 amd64 1.50.12+ds-1> [212 kB]
Get:117 <http://deb.debian.org/debian stable/main amd64 libpangoft2-1.0-0 amd64 1.50.12+ds-1> [47.4 kB]

Get:118 http://deb.debian.org/debian stable/main amd64 libpangocairo-1.0-0 amd64
1.50.12+ds-1 [34.2 kB]
Get:119 http://deb.debian.org/debian stable/main amd64 libwmflite-0.2-7 amd64 0.2.12-5.1
[75.2 kB]
Get:120 http://deb.debian.org/debian stable/main amd64 libmagickcore-6.q16-6-extra amd64
8:6.9.11.60+dfsg-1.6+deb12u2 [173 kB]
Get:121 http://deb.debian.org/debian stable/main amd64 libnetpbm11 amd64 2:11.01.00-2
[174 kB]
Get:122 http://deb.debian.org/debian stable/main amd64 libpaper-utils amd64 1.1.29 [8868 B]
Get:123 http://deb.debian.org/debian stable/main amd64 libpq5 amd64 15.8-0+deb12u1 [188
kB]
Get:124 http://deb.debian.org/debian stable/main amd64 libreadline8 amd64 8.2-1.3 [166 kB]
Get:125 http://deb.debian.org/debian stable/main amd64 libsasl2-modules amd64 2.1.28+dfsg-
10 [66.6 kB]
Get:126 http://deb.debian.org/debian stable/main amd64 netpbm amd64 2:11.01.00-2 [2015
kB]
Get:127 http://deb.debian.org/debian stable/main amd64 postgresql-client-common all 248
[35.1 kB]
Get:128 http://deb.debian.org/debian stable/main amd64 postgresql-client-15 amd64 15.8-
0+deb12u1 [1701 kB]
Get:129 http://deb.debian.org/debian stable/main amd64 postgresql-client all 15+248 [10.1 kB]
Get:130 http://deb.debian.org/debian stable/main amd64 shared-mime-info amd64 2.2-1 [729
kB]
Get:131 http://deb.debian.org/debian stable/main amd64 xdg-user-dirs amd64 0.18-1 [54.4 kB]
debconf: delaying package configuration, since apt-utils is not installed
Fetched 70.9 MB in 10s (7121 kB/s)
Selecting previously unselected package libdbus-1-3:amd64.
(Reading database ... 6089 files and directories currently installed.)
Preparing to unpack .../000-libdbus-1-3_1.14.10-1~deb12u1_amd64.deb ...
Unpacking libdbus-1-3:amd64 (1.14.10-1~deb12u1) ...
Selecting previously unselected package dbus-bin.
Preparing to unpack .../001-dbus-bin_1.14.10-1~deb12u1_amd64.deb ...
Unpacking dbus-bin (1.14.10-1~deb12u1) ...
Selecting previously unselected package dbus-session-bus-common.
Preparing to unpack .../002-dbus-session-bus-common_1.14.10-1~deb12u1_all.deb ...
Unpacking dbus-session-bus-common (1.14.10-1~deb12u1) ...
Selecting previously unselected package libapparmor1:amd64.
Preparing to unpack .../003-libapparmor1_3.0.8-3_amd64.deb ...
Unpacking libapparmor1:amd64 (3.0.8-3) ...
Selecting previously unselected package libexpat1:amd64.
Preparing to unpack .../004-libexpat1_2.5.0-1+deb12u1_amd64.deb ...
Unpacking libexpat1:amd64 (2.5.0-1+deb12u1) ...
Selecting previously unselected package dbus-daemon.
Preparing to unpack .../005-dbus-daemon_1.14.10-1~deb12u1_amd64.deb ...

Unpacking dbus-daemon (1.14.10-1~deb12u1) ...
Selecting previously unselected package dbus-system-bus-common.
Preparing to unpack .../006-dbus-system-bus-common_1.14.10-1~deb12u1_all.deb ...
Unpacking dbus-system-bus-common (1.14.10-1~deb12u1) ...
Selecting previously unselected package dbus.
Preparing to unpack .../007-dbus_1.14.10-1~deb12u1_amd64.deb ...
Unpacking dbus (1.14.10-1~deb12u1) ...
Selecting previously unselected package perl-modules-5.36.
Preparing to unpack .../008-perl-modules-5.36_5.36.0-7+deb12u1_all.deb ...
Unpacking perl-modules-5.36 (5.36.0-7+deb12u1) ...
Selecting previously unselected package libgdbm6:amd64.
Preparing to unpack .../009-libgdbm6_1.23-3_amd64.deb ...
Unpacking libgdbm6:amd64 (1.23-3) ...
Selecting previously unselected package libgdbm-compat4:amd64.
Preparing to unpack .../010-libgdbm-compat4_1.23-3_amd64.deb ...
Unpacking libgdbm-compat4:amd64 (1.23-3) ...
Selecting previously unselected package libperl5.36:amd64.
Preparing to unpack .../011-libperl5.36_5.36.0-7+deb12u1_amd64.deb ...
Unpacking libperl5.36:amd64 (5.36.0-7+deb12u1) ...
Selecting previously unselected package perl.
Preparing to unpack .../012-perl_5.36.0-7+deb12u1_amd64.deb ...
Unpacking perl (5.36.0-7+deb12u1) ...
Selecting previously unselected package fonts-droid-fallback.
Preparing to unpack .../013-fonts-droid-fallback_1%3a6.0.1r16-1.1_all.deb ...
Unpacking fonts-droid-fallback (1:6.0.1r16-1.1) ...
Selecting previously unselected package libgomp1:amd64.
Preparing to unpack .../014-libgomp1_12.2.0-14_amd64.deb ...
Unpacking libgomp1:amd64 (12.2.0-14) ...
Selecting previously unselected package libfftw3-double3:amd64.
Preparing to unpack .../015-libfftw3-double3_3.3.10-1_amd64.deb ...
Unpacking libfftw3-double3:amd64 (3.3.10-1) ...
Selecting previously unselected package libbrotli1:amd64.
Preparing to unpack .../016-libbrotli1_1.0.9-2+b6_amd64.deb ...
Unpacking libbrotli1:amd64 (1.0.9-2+b6) ...
Selecting previously unselected package libpng16-16:amd64.
Preparing to unpack .../017-libpng16-16_1.6.39-2_amd64.deb ...
Unpacking libpng16-16:amd64 (1.6.39-2) ...
Selecting previously unselected package libfreetype6:amd64.
Preparing to unpack .../018-libfreetype6_2.12.1+dfsg-5+deb12u3_amd64.deb ...
Unpacking libfreetype6:amd64 (2.12.1+dfsg-5+deb12u3) ...
Selecting previously unselected package fonts-dejavu-core.
Preparing to unpack .../019-fonts-dejavu-core_2.37-6_all.deb ...
Unpacking fonts-dejavu-core (2.37-6) ...
Selecting previously unselected package libfontenc1:amd64.

Preparing to unpack .../020-libfontenc1_1%3a1.1.4-1_amd64.deb ...
Unpacking libfontenc1:amd64 (1:1.1.4-1) ...
Selecting previously unselected package x11-common.
Preparing to unpack .../021-x11-common_1%3a7.7+23_all.deb ...
Unpacking x11-common (1:7.7+23) ...
Selecting previously unselected package xfonts-encodings.
Preparing to unpack .../022-xfonts-encodings_1%3a1.0.4-2.2_all.deb ...
Unpacking xfonts-encodings (1:1.0.4-2.2) ...
Selecting previously unselected package xfonts-utils.
Preparing to unpack .../023-xfonts-utils_1%3a7.7+6_amd64.deb ...
Unpacking xfonts-utils (1:7.7+6) ...
Selecting previously unselected package fonts-urw-base35.
Preparing to unpack .../024-fonts-urw-base35_20200910-7_all.deb ...
Unpacking fonts-urw-base35 (20200910-7) ...
Selecting previously unselected package fontconfig-config.
Preparing to unpack .../025-fontconfig-config_2.14.1-4_amd64.deb ...
Unpacking fontconfig-config (2.14.1-4) ...
Selecting previously unselected package libfontconfig1:amd64.
Preparing to unpack .../026-libfontconfig1_2.14.1-4_amd64.deb ...
Unpacking libfontconfig1:amd64 (2.14.1-4) ...
Selecting previously unselected package libaom3:amd64.
Preparing to unpack .../027-libaom3_3.6.0-1+deb12u1_amd64.deb ...
Unpacking libaom3:amd64 (3.6.0-1+deb12u1) ...
Selecting previously unselected package libdav1d6:amd64.
Preparing to unpack .../028-libdav1d6_1.0.0-2+deb12u1_amd64.deb ...
Unpacking libdav1d6:amd64 (1.0.0-2+deb12u1) ...
Selecting previously unselected package libde265-0:amd64.
Preparing to unpack .../029-libde265-0_1.0.11-1+deb12u2_amd64.deb ...
Unpacking libde265-0:amd64 (1.0.11-1+deb12u2) ...
Selecting previously unselected package libnuma1:amd64.
Preparing to unpack .../030-libnuma1_2.0.16-1_amd64.deb ...
Unpacking libnuma1:amd64 (2.0.16-1) ...
Selecting previously unselected package libx265-199:amd64.
Preparing to unpack .../031-libx265-199_3.5-2+b1_amd64.deb ...
Unpacking libx265-199:amd64 (3.5-2+b1) ...
Selecting previously unselected package libheif1:amd64.
Preparing to unpack .../032-libheif1_1.15.1-1+deb12u1_amd64.deb ...
Unpacking libheif1:amd64 (1.15.1-1+deb12u1) ...
Selecting previously unselected package libjbig0:amd64.
Preparing to unpack .../033-libjbig0_2.1-6.1_amd64.deb ...
Unpacking libjbig0:amd64 (2.1-6.1) ...
Selecting previously unselected package libjpeg62-turbo:amd64.
Preparing to unpack .../034-libjpeg62-turbo_1%3a2.1.5-2_amd64.deb ...
Unpacking libjpeg62-turbo:amd64 (1:2.1.5-2) ...

Selecting previously unselected package liblcms2-2:amd64.
Preparing to unpack .../035-liblcms2-2_2.14-2_amd64.deb ...
Unpacking liblcms2-2:amd64 (2.14-2) ...
Selecting previously unselected package libglib2.0-0:amd64.
Preparing to unpack .../036-libglib2.0-0_2.74.6-2+deb12u3_amd64.deb ...
Unpacking libglib2.0-0:amd64 (2.74.6-2+deb12u3) ...
Selecting previously unselected package liblqr-1-0:amd64.
Preparing to unpack .../037-liblqr-1-0_0.4.2-2.1_amd64.deb ...
Unpacking liblqr-1-0:amd64 (0.4.2-2.1) ...
Selecting previously unselected package libltdl7:amd64.
Preparing to unpack .../038-libltdl7_2.4.7-7~deb12u1_amd64.deb ...
Unpacking libltdl7:amd64 (2.4.7-7~deb12u1) ...
Selecting previously unselected package libopenjp2-7:amd64.
Preparing to unpack .../039-libopenjp2-7_2.5.0-2_amd64.deb ...
Unpacking libopenjp2-7:amd64 (2.5.0-2) ...
Selecting previously unselected package libdeflate0:amd64.
Preparing to unpack .../040-libdeflate0_1.14-1_amd64.deb ...
Unpacking libdeflate0:amd64 (1.14-1) ...
Selecting previously unselected package liblerc4:amd64.
Preparing to unpack .../041-liblerc4_4.0.0+ds-2_amd64.deb ...
Unpacking liblerc4:amd64 (4.0.0+ds-2) ...
Selecting previously unselected package libwebp7:amd64.
Preparing to unpack .../042-libwebp7_1.2.4-0.2+deb12u1_amd64.deb ...
Unpacking libwebp7:amd64 (1.2.4-0.2+deb12u1) ...
Selecting previously unselected package libtiff6:amd64.
Preparing to unpack .../043-libtiff6_4.5.0-6+deb12u1_amd64.deb ...
Unpacking libtiff6:amd64 (4.5.0-6+deb12u1) ...
Selecting previously unselected package libwebpdemux2:amd64.
Preparing to unpack .../044-libwebpdemux2_1.2.4-0.2+deb12u1_amd64.deb ...
Unpacking libwebpdemux2:amd64 (1.2.4-0.2+deb12u1) ...
Selecting previously unselected package libwebpmux3:amd64.
Preparing to unpack .../045-libwebpmux3_1.2.4-0.2+deb12u1_amd64.deb ...
Unpacking libwebpmux3:amd64 (1.2.4-0.2+deb12u1) ...
Selecting previously unselected package libxau6:amd64.
Preparing to unpack .../046-libxau6_1%3a1.0.9-1_amd64.deb ...
Unpacking libxau6:amd64 (1:1.0.9-1) ...
Selecting previously unselected package libbsd0:amd64.
Preparing to unpack .../047-libbsd0_0.11.7-2_amd64.deb ...
Unpacking libbsd0:amd64 (0.11.7-2) ...
Selecting previously unselected package libxdmcp6:amd64.
Preparing to unpack .../048-libxdmcp6_1%3a1.1.2-3_amd64.deb ...
Unpacking libxdmcp6:amd64 (1:1.1.2-3) ...
Selecting previously unselected package libxcb1:amd64.
Preparing to unpack .../049-libxcb1_1.15-1_amd64.deb ...

Unpacking libxcb1:amd64 (1.15-1) ...
Selecting previously unselected package libx11-data.
Preparing to unpack .../050-libx11-data_2%3a1.8.4-2+deb12u2_all.deb ...
Unpacking libx11-data (2:1.8.4-2+deb12u2) ...
Selecting previously unselected package libx11-6:amd64.
Preparing to unpack .../051-libx11-6_2%3a1.8.4-2+deb12u2_amd64.deb ...
Unpacking libx11-6:amd64 (2:1.8.4-2+deb12u2) ...
Selecting previously unselected package libxext6:amd64.
Preparing to unpack .../052-libxext6_2%3a1.3.4-1+b1_amd64.deb ...
Unpacking libxext6:amd64 (2:1.3.4-1+b1) ...
Selecting previously unselected package libicu72:amd64.
Preparing to unpack .../053-libicu72_72.1-3_amd64.deb ...
Unpacking libicu72:amd64 (72.1-3) ...
Selecting previously unselected package libxml2:amd64.
Preparing to unpack .../054-libxml2_2.9.14+dfsg-1.3~deb12u1_amd64.deb ...
Unpacking libxml2:amd64 (2.9.14+dfsg-1.3~deb12u1) ...
Selecting previously unselected package imagemagick-6-common.
Preparing to unpack .../055-imagemagick-6-common_8%3a6.9.11.60+dfsg-1.6+deb12u2_all.deb ...
Unpacking imagemagick-6-common (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Selecting previously unselected package libmagickcore-6.q16-6:amd64.
Preparing to unpack .../056-libmagickcore-6.q16-6_8%3a6.9.11.60+dfsg-1.6+deb12u2_amd64.deb ...
Unpacking libmagickcore-6.q16-6:amd64 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Selecting previously unselected package libmagickwand-6.q16-6:amd64.
Preparing to unpack .../057-libmagickwand-6.q16-6_8%3a6.9.11.60+dfsg-1.6+deb12u2_amd64.deb ...
Unpacking libmagickwand-6.q16-6:amd64 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Selecting previously unselected package poppler-data.
Preparing to unpack .../058-poppler-data_0.4.12-1_all.deb ...
Unpacking poppler-data (0.4.12-1) ...
Selecting previously unselected package netbase.
Preparing to unpack .../059-netbase_6.4_all.deb ...
Unpacking netbase (6.4) ...
Selecting previously unselected package readline-common.
Preparing to unpack .../060-readline-common_8.2-1.3_all.deb ...
Unpacking readline-common (8.2-1.3) ...
Selecting previously unselected package sensible-utils.
Preparing to unpack .../061-sensible-utils_0.0.17+nmu1_all.deb ...
Unpacking sensible-utils (0.0.17+nmu1) ...
Selecting previously unselected package libssl3:amd64.
Preparing to unpack .../062-libssl3_3.0.14-1~deb12u2_amd64.deb ...
Unpacking libssl3:amd64 (3.0.14-1~deb12u2) ...
Selecting previously unselected package openssl.

Preparing to unpack .../063-openssl_3.0.14-1~deb12u2_amd64.deb ...
Unpacking openssl (3.0.14-1~deb12u2) ...
Selecting previously unselected package ca-certificates.
Preparing to unpack .../064-ca-certificates_20230311_all.deb ...
Unpacking ca-certificates (20230311) ...
Selecting previously unselected package krb5-locales.
Preparing to unpack .../065-krb5-locales_1.20.1-2+deb12u2_all.deb ...
Unpacking krb5-locales (1.20.1-2+deb12u2) ...
Selecting previously unselected package ucf.
Preparing to unpack .../066-ucf_3.0043+nmu1_all.deb ...
Moving old data out of the way
Unpacking ucf (3.0043+nmu1) ...
Selecting previously unselected package fontconfig.
Preparing to unpack .../067-fontconfig_2.14.1-4_amd64.deb ...
Unpacking fontconfig (2.14.1-4) ...
Selecting previously unselected package fonts-noto-mono.
Preparing to unpack .../068-fonts-noto-mono_20201225-1_all.deb ...
Unpacking fonts-noto-mono (20201225-1) ...
Selecting previously unselected package libgs-common.
Preparing to unpack .../069-libgs-common_10.0.0~dfsg-11+deb12u5_all.deb ...
Unpacking libgs-common (10.0.0~dfsg-11+deb12u5) ...
Selecting previously unselected package libgs10-common.
Preparing to unpack .../070-libgs10-common_10.0.0~dfsg-11+deb12u5_all.deb ...
Unpacking libgs10-common (10.0.0~dfsg-11+deb12u5) ...
Selecting previously unselected package libavahi-common-data:amd64.
Preparing to unpack .../071-libavahi-common-data_0.8-10_amd64.deb ...
Unpacking libavahi-common-data:amd64 (0.8-10) ...
Selecting previously unselected package libavahi-common3:amd64.
Preparing to unpack .../072-libavahi-common3_0.8-10_amd64.deb ...
Unpacking libavahi-common3:amd64 (0.8-10) ...
Selecting previously unselected package libavahi-client3:amd64.
Preparing to unpack .../073-libavahi-client3_0.8-10_amd64.deb ...
Unpacking libavahi-client3:amd64 (0.8-10) ...
Selecting previously unselected package libkrb5support0:amd64.
Preparing to unpack .../074-libkrb5support0_1.20.1-2+deb12u2_amd64.deb ...
Unpacking libkrb5support0:amd64 (1.20.1-2+deb12u2) ...
Selecting previously unselected package libk5crypto3:amd64.
Preparing to unpack .../075-libk5crypto3_1.20.1-2+deb12u2_amd64.deb ...
Unpacking libk5crypto3:amd64 (1.20.1-2+deb12u2) ...
Selecting previously unselected package libkeyutils1:amd64.
Preparing to unpack .../076-libkeyutils1_1.6.3-2_amd64.deb ...
Unpacking libkeyutils1:amd64 (1.6.3-2) ...
Selecting previously unselected package libkrb5-3:amd64.
Preparing to unpack .../077-libkrb5-3_1.20.1-2+deb12u2_amd64.deb ...

Unpacking libkrb5-3:amd64 (1.20.1-2+deb12u2) ...
Selecting previously unselected package libgssapi-krb5-2:amd64.
Preparing to unpack .../078-libgssapi-krb5-2_1.20.1-2+deb12u2_amd64.deb ...
Unpacking libgssapi-krb5-2:amd64 (1.20.1-2+deb12u2) ...
Selecting previously unselected package libcups2:amd64.
Preparing to unpack .../079-libcups2_2.4.2-3+deb12u8_amd64.deb ...
Unpacking libcups2:amd64 (2.4.2-3+deb12u8) ...
Selecting previously unselected package libidn12:amd64.
Preparing to unpack .../080-libidn12_1.41-1_amd64.deb ...
Unpacking libidn12:amd64 (1.41-1) ...
Selecting previously unselected package libijs-0.35:amd64.
Preparing to unpack .../081-libijs-0.35_0.35-15_amd64.deb ...
Unpacking libijs-0.35:amd64 (0.35-15) ...
Selecting previously unselected package libjbig2dec0:amd64.
Preparing to unpack .../082-libjbig2dec0_0.19-3_amd64.deb ...
Unpacking libjbig2dec0:amd64 (0.19-3) ...
Selecting previously unselected package libpaper1:amd64.
Preparing to unpack .../083-libpaper1_1.1.29_amd64.deb ...
Unpacking libpaper1:amd64 (1.1.29) ...
Selecting previously unselected package libice6:amd64.
Preparing to unpack .../084-libice6_2%3a1.0.10-1_amd64.deb ...
Unpacking libice6:amd64 (2:1.0.10-1) ...
Selecting previously unselected package libsm6:amd64.
Preparing to unpack .../085-libsm6_2%3a1.2.3-1_amd64.deb ...
Unpacking libsm6:amd64 (2:1.2.3-1) ...
Selecting previously unselected package libxt6:amd64.
Preparing to unpack .../086-libxt6_1%3a1.2.1-1.1_amd64.deb ...
Unpacking libxt6:amd64 (1:1.2.1-1.1) ...
Selecting previously unselected package libgs10:amd64.
Preparing to unpack .../087-libgs10_10.0.0~dfsg-11+deb12u5_amd64.deb ...
Unpacking libgs10:amd64 (10.0.0~dfsg-11+deb12u5) ...
Selecting previously unselected package ghostscript.
Preparing to unpack .../088-ghostscript_10.0.0~dfsg-11+deb12u5_amd64.deb ...
Unpacking ghostscript (10.0.0~dfsg-11+deb12u5) ...
Selecting previously unselected package gsfonts.
Preparing to unpack .../089-gsfonts_2%3a20200910-7_all.deb ...
Unpacking gsfonts (2:20200910-7) ...
Selecting previously unselected package hicolor-icon-theme.
Preparing to unpack .../090-hicolor-icon-theme_0.17-2_all.deb ...
Unpacking hicolor-icon-theme (0.17-2) ...
Selecting previously unselected package imagemagick-6.q16.
Preparing to unpack .../091-imagemagick-6.q16_8%3a6.9.11.60+dfsg-1.6+deb12u2_amd64.deb ...
Unpacking imagemagick-6.q16 (8:6.9.11.60+dfsg-1.6+deb12u2) ...

Selecting previously unselected package imagemagick.
Preparing to unpack .../092-imagemagick_8%3a6.9.11.60+dfsg-1.6+deb12u2_amd64.deb ...
Unpacking imagemagick (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Selecting previously unselected package libpixmap-1-0:amd64.
Preparing to unpack .../093-libpixmap-1-0_0.42.2-1_amd64.deb ...
Unpacking libpixmap-1-0:amd64 (0.42.2-1) ...
Selecting previously unselected package libxcb-render0:amd64.
Preparing to unpack .../094-libxcb-render0_1.15-1_amd64.deb ...
Unpacking libxcb-render0:amd64 (1.15-1) ...
Selecting previously unselected package libxcb-shm0:amd64.
Preparing to unpack .../095-libxcb-shm0_1.15-1_amd64.deb ...
Unpacking libxcb-shm0:amd64 (1.15-1) ...
Selecting previously unselected package libxrender1:amd64.
Preparing to unpack .../096-libxrender1_1%3a0.9.10-1.1_amd64.deb ...
Unpacking libxrender1:amd64 (1:0.9.10-1.1) ...
Selecting previously unselected package libcairo2:amd64.
Preparing to unpack .../097-libcairo2_1.16.0-7_amd64.deb ...
Unpacking libcairo2:amd64 (1.16.0-7) ...
Selecting previously unselected package libdatrie1:amd64.
Preparing to unpack .../098-libdatrie1_0.2.13-2+b1_amd64.deb ...
Unpacking libdatrie1:amd64 (0.2.13-2+b1) ...
Selecting previously unselected package libdjvulibre-text.
Preparing to unpack .../099-libdjvulibre-text_3.5.28-2_all.deb ...
Unpacking libdjvulibre-text (3.5.28-2) ...
Selecting previously unselected package libdjvulibre21:amd64.
Preparing to unpack .../100-libdjvulibre21_3.5.28-2+b1_amd64.deb ...
Unpacking libdjvulibre21:amd64 (3.5.28-2+b1) ...
Selecting previously unselected package libfribidi0:amd64.
Preparing to unpack .../101-libfribidi0_1.0.8-2.1_amd64.deb ...
Unpacking libfribidi0:amd64 (1.0.8-2.1) ...
Selecting previously unselected package libglib2.0-data.
Preparing to unpack .../102-libglib2.0-data_2.74.6-2+deb12u3_all.deb ...
Unpacking libglib2.0-data (2.74.6-2+deb12u3) ...
Selecting previously unselected package libgraphite2-3:amd64.
Preparing to unpack .../103-libgraphite2-3_1.3.14-1_amd64.deb ...
Unpacking libgraphite2-3:amd64 (1.3.14-1) ...
Selecting previously unselected package libharfbuzz0b:amd64.
Preparing to unpack .../104-libharfbuzz0b_6.0.0+dfsg-3_amd64.deb ...
Unpacking libharfbuzz0b:amd64 (6.0.0+dfsg-3) ...
Selecting previously unselected package libimath-3-1-29:amd64.
Preparing to unpack .../105-libimath-3-1-29_3.1.6-1_amd64.deb ...
Unpacking libimath-3-1-29:amd64 (3.1.6-1) ...
Selecting previously unselected package libjxr0:amd64.
Preparing to unpack .../106-libjxr0_1.2~git20170615.f752187-5_amd64.deb ...

Unpacking libjxr0:amd64 (1.2~git20170615.f752187-5) ...
Selecting previously unselected package libjxr-tools.
Preparing to unpack .../107-libjxr-tools_1.2~git20170615.f752187-5_amd64.deb ...
Unpacking libjxr-tools (1.2~git20170615.f752187-5) ...
Selecting previously unselected package libsasl2-modules-db:amd64.
Preparing to unpack .../108-libsasl2-modules-db_2.1.28+dfsg-10_amd64.deb ...
Unpacking libsasl2-modules-db:amd64 (2.1.28+dfsg-10) ...
Selecting previously unselected package libsasl2-2:amd64.
Preparing to unpack .../109-libsasl2-2_2.1.28+dfsg-10_amd64.deb ...
Unpacking libsasl2-2:amd64 (2.1.28+dfsg-10) ...
Selecting previously unselected package libldap-2.5-0:amd64.
Preparing to unpack .../110-libldap-2.5-0_2.5.13+dfsg-5_amd64.deb ...
Unpacking libldap-2.5-0:amd64 (2.5.13+dfsg-5) ...
Selecting previously unselected package libldap-common.
Preparing to unpack .../111-libldap-common_2.5.13+dfsg-5_all.deb ...
Unpacking libldap-common (2.5.13+dfsg-5) ...
Selecting previously unselected package libopenexr-3-1-30:amd64.
Preparing to unpack .../112-libopenexr-3-1-30_3.1.5-5_amd64.deb ...
Unpacking libopenexr-3-1-30:amd64 (3.1.5-5) ...
Selecting previously unselected package libthai-data.
Preparing to unpack .../113-libthai-data_0.1.29-1_all.deb ...
Unpacking libthai-data (0.1.29-1) ...
Selecting previously unselected package libthai0:amd64.
Preparing to unpack .../114-libthai0_0.1.29-1_amd64.deb ...
Unpacking libthai0:amd64 (0.1.29-1) ...
Selecting previously unselected package libpango-1.0-0:amd64.
Preparing to unpack .../115-libpango-1.0-0_1.50.12+ds-1_amd64.deb ...
Unpacking libpango-1.0-0:amd64 (1.50.12+ds-1) ...
Selecting previously unselected package libpangoft2-1.0-0:amd64.
Preparing to unpack .../116-libpangoft2-1.0-0_1.50.12+ds-1_amd64.deb ...
Unpacking libpangoft2-1.0-0:amd64 (1.50.12+ds-1) ...
Selecting previously unselected package libpangocairo-1.0-0:amd64.
Preparing to unpack .../117-libpangocairo-1.0-0_1.50.12+ds-1_amd64.deb ...
Unpacking libpangocairo-1.0-0:amd64 (1.50.12+ds-1) ...
Selecting previously unselected package libwmflite-0.2-7:amd64.
Preparing to unpack .../118-libwmflite-0.2-7_0.2.12-5.1_amd64.deb ...
Unpacking libwmflite-0.2-7:amd64 (0.2.12-5.1) ...
Selecting previously unselected package libmagickcore-6.q16-6-extra:amd64.
Preparing to unpack .../119-libmagickcore-6.q16-6-extra_8%3a6.9.11.60+dfsg-1.6+deb12u2_amd64.deb ...
Unpacking libmagickcore-6.q16-6-extra:amd64 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Selecting previously unselected package libnetpbm11:amd64.
Preparing to unpack .../120-libnetpbm11_2%3a11.01.00-2_amd64.deb ...
Unpacking libnetpbm11:amd64 (2:11.01.00-2) ...

Selecting previously unselected package libpaper-utils.
Preparing to unpack .../121-libpaper-utils_1.1.29_amd64.deb ...
Unpacking libpaper-utils (1.1.29) ...
Selecting previously unselected package libpq5:amd64.
Preparing to unpack .../122-libpq5_15.8-0+deb12u1_amd64.deb ...
Unpacking libpq5:amd64 (15.8-0+deb12u1) ...
Selecting previously unselected package libreadline8:amd64.
Preparing to unpack .../123-libreadline8_8.2-1.3_amd64.deb ...
Unpacking libreadline8:amd64 (8.2-1.3) ...
Selecting previously unselected package libsasl2-modules:amd64.
Preparing to unpack .../124-libsasl2-modules_2.1.28+dfsg-10_amd64.deb ...
Unpacking libsasl2-modules:amd64 (2.1.28+dfsg-10) ...
Selecting previously unselected package netpbm.
Preparing to unpack .../125-netpbm_2%3a11.01.00-2_amd64.deb ...
Unpacking netpbm (2:11.01.00-2) ...
Selecting previously unselected package postgresql-client-common.
Preparing to unpack .../126-postgresql-client-common_248_all.deb ...
Unpacking postgresql-client-common (248) ...
Selecting previously unselected package postgresql-client-15.
Preparing to unpack .../127-postgresql-client-15_15.8-0+deb12u1_amd64.deb ...
Unpacking postgresql-client-15 (15.8-0+deb12u1) ...
Selecting previously unselected package postgresql-client.
Preparing to unpack .../128-postgresql-client_15+248_all.deb ...
Unpacking postgresql-client (15+248) ...
Selecting previously unselected package shared-mime-info.
Preparing to unpack .../129-shared-mime-info_2.2-1_amd64.deb ...
Unpacking shared-mime-info (2.2-1) ...
Selecting previously unselected package xdg-user-dirs.
Preparing to unpack .../130-xdg-user-dirs_0.18-1_amd64.deb ...
Unpacking xdg-user-dirs (0.18-1) ...
Setting up libexpat1:amd64 (2.5.0-1+deb12u1) ...
Setting up libgraphite2-3:amd64 (1.3.14-1) ...
Setting up liblcms2-2:amd64 (2.14-2) ...
Setting up libpixmap-1-0:amd64 (0.42.2-1) ...
Setting up libaom3:amd64 (3.6.0-1+deb12u1) ...
Setting up libxau6:amd64 (1:1.0.9-1) ...
Setting up imagemagick-6-common (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Setting up libkeyutils1:amd64 (1.6.3-2) ...
Setting up libapparmor1:amd64 (3.0.8-3) ...
Setting up libicu72:amd64 (72.1-3) ...
Setting up liblerc4:amd64 (4.0.0+ds-2) ...
Setting up fonts-noto-mono (20201225-1) ...
Setting up hicolor-icon-theme (0.17-2) ...
Setting up libwmflite-0.2-7:amd64 (0.2.12-5.1) ...

Setting up libdatrie1:amd64 (0.2.13-2+b1) ...
Setting up xdg-user-dirs (0.18-1) ...
Setting up libglib2.0-0:amd64 (2.74.6-2+deb12u3) ...
No schema files found: doing nothing.
Setting up libijs-0.35:amd64 (0.35-15) ...
Setting up libjxr0:amd64 (1.2~git20170615.f752187-5) ...
Setting up libgs-common (10.0.0~dfsg-11+deb12u5) ...
Setting up libbrotli1:amd64 (1.0.9-2+b6) ...
Setting up libssl3:amd64 (3.0.14-1~deb12u2) ...
Setting up x11-common (1:7.7+23) ...
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
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of restart.
Setting up libnetpbm11:amd64 (2:11.01.00-2) ...
Setting up libdeflate0:amd64 (1.14-1) ...
Setting up krb5-locales (1.20.1-2+deb12u2) ...
Setting up libgomp1:amd64 (12.2.0-14) ...
Setting up libimath-3-1-29:amd64 (3.1.6-1) ...
Setting up libldap-common (2.5.13+dfsg-5) ...
Setting up libjbig0:amd64 (2.1-6.1) ...
Setting up poppler-data (0.4.12-1) ...
Setting up libkrb5support0:amd64 (1.20.1-2+deb12u2) ...
Setting up libsasl2-modules-db:amd64 (2.1.28+dfsg-10) ...
Setting up libfontenc1:amd64 (1:1.1.4-1) ...
Setting up perl-modules-5.36 (5.36.0-7+deb12u1) ...
Setting up libglib2.0-data (2.74.6-2+deb12u3) ...
Setting up libjpeg62-turbo:amd64 (1:2.1.5-2) ...
Setting up libx11-data (2:1.8.4-2+deb12u2) ...
Setting up libjbig2dec0:amd64 (0.19-3) ...
Setting up libavahi-common-data:amd64 (0.8-10) ...
Setting up libdbus-1-3:amd64 (1.14.10-1~deb12u1) ...
Setting up xfonts-encodings (1:1.0.4-2.2) ...
Setting up libopenexr-3-1-30:amd64 (3.1.5-5) ...
Setting up libfribidi0:amd64 (1.0.8-2.1) ...
Setting up libpng16-16:amd64 (1.6.39-2) ...
Setting up libidn12:amd64 (1.41-1) ...
Setting up fonts-dejavu-core (2.37-6) ...
Setting up libk5crypto3:amd64 (1.20.1-2+deb12u2) ...
Setting up libdav1d6:amd64 (1.0.0-2+deb12u1) ...

Setting up libltdl7:amd64 (2.4.7-7~deb12u1) ...
Setting up libfftw3-double3:amd64 (3.3.10-1) ...
Setting up libsasl2-2:amd64 (2.1.28+dfsg-10) ...
Setting up libwebp7:amd64 (1.2.4-0.2+deb12u1) ...
Setting up libnuma1:amd64 (2.0.16-1) ...
Setting up liblqr-1-0:amd64 (0.4.2-2.1) ...
Setting up sensible-utils (0.0.17+nmu1) ...
Setting up libtiff6:amd64 (4.5.0-6+deb12u1) ...
Setting up dbus-session-bus-common (1.14.10-1~deb12u1) ...
Setting up libopenjp2-7:amd64 (2.5.0-2) ...
Setting up libthai-data (0.1.29-1) ...
Setting up netbase (6.4) ...
Setting up libkrb5-3:amd64 (1.20.1-2+deb12u2) ...
Setting up fonts-droid-fallback (1:6.0.1r16-1.1) ...
Setting up libdjvulibre-text (3.5.28-2) ...
Setting up dbus-system-bus-common (1.14.10-1~deb12u1) ...
Setting up libde265-0:amd64 (1.0.11-1+deb12u2) ...
Setting up openssl (3.0.14-1~deb12u2) ...
Setting up libwebpmux3:amd64 (1.2.4-0.2+deb12u1) ...
Setting up libbsd0:amd64 (0.11.7-2) ...
Setting up readline-common (8.2-1.3) ...
Setting up libxml2:amd64 (2.9.14+dfsg-1.3~deb12u1) ...
Setting up dbus-bin (1.14.10-1~deb12u1) ...
Setting up libgdbm6:amd64 (1.23-3) ...
Setting up libice6:amd64 (2:1.0.10-1) ...
Setting up libxdmcp6:amd64 (1:1.1.2-3) ...
Setting up libxcb1:amd64 (1.15-1) ...
Setting up libjxr-tools (1.2~git20170615.f752187-5) ...
Setting up libxcb-render0:amd64 (1.15-1) ...
Setting up fontconfig-config (2.14.1-4) ...
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 libwebpdemux2:amd64 (1.2.4-0.2+deb12u1) ...
Setting up libreadline8:amd64 (8.2-1.3) ...
Setting up libsasl2-modules:amd64 (2.1.28+dfsg-10) ...
Setting up libdjvulibre21:amd64 (3.5.28-2+b1) ...
Setting up libavahi-common3:amd64 (0.8-10) ...
Setting up libxcb-shm0:amd64 (1.15-1) ...
Setting up dbus-daemon (1.14.10-1~deb12u1) ...
Setting up libldap-2.5-0:amd64 (2.5.13+dfsg-5) ...

Setting up libthai0:amd64 (0.1.29-1) ...
Setting up ca-certificates (20230311) ...
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...
140 added, 0 removed; done.
Setting up libfreetype6:amd64 (2.12.1+dfsg-5+deb12u3) ...
Setting up dbus (1.14.10-1~deb12u1) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Setting up shared-mime-info (2.2-1) ...
Setting up libgssapi-krb5-2:amd64 (1.20.1-2+deb12u2) ...
Setting up libgdbm-compat4:amd64 (1.23-3) ...
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 libx265-199:amd64 (3.5-2+b1) ...
Setting up libx11-6:amd64 (2:1.8.4-2+deb12u2) ...
Setting up libharfbuzz0b:amd64 (6.0.0+dfsg-3) ...
Setting up libfontconfig1:amd64 (2.14.1-4) ...
Setting up libsm6:amd64 (2:1.2.3-1) ...
Setting up libavahi-client3:amd64 (0.8-10) ...
Setting up libperl5.36:amd64 (5.36.0-7+deb12u1) ...
Setting up libpaper1:amd64 (1.1.29) ...
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/papersize with new version
Setting up fontconfig (2.14.1-4) ...
Regenerating fonts cache... done.
Setting up libxrender1:amd64 (1:0.9.10-1.1) ...
Setting up libpango-1.0-0:amd64 (1.50.12+ds-1) ...
Setting up libheif1:amd64 (1.15.1-1+deb12u1) ...

Setting up libpq5:amd64 (15.8-0+deb12u1) ...
Setting up libxext6:amd64 (2:1.3.4-1+b1) ...
Setting up libpaper-utils (1.1.29) ...
Setting up xfonts-utils (1:7.7+6) ...
Setting up libcairo2:amd64 (1.16.0-7) ...
Setting up libmagickcore-6.q16-6:amd64 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Setting up perl (5.36.0-7+deb12u1) ...
Setting up netpbm (2:11.01.00-2) ...
Setting up libxt6:amd64 (1:1.2.1-1.1) ...
Setting up libcups2:amd64 (2.4.2-3+deb12u8) ...
Setting up libmagickwand-6.q16-6:amd64 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Setting up libpangoft2-1.0-0:amd64 (1.50.12+ds-1) ...
Setting up libpangocairo-1.0-0:amd64 (1.50.12+ds-1) ...
Setting up postgresql-client-common (248) ...
Setting up libmagickcore-6.q16-6-extra:amd64 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Setting up postgresql-client-15 (15.8-0+deb12u1) ...
update-alternatives: using /usr/share/postgresql/15/man/man1/psql.1.gz to provide /usr/share/man/man1/psql.1.gz (psql.1.gz) in auto mode
Setting up fonts-urw-base35 (20200910-7) ...
Setting up gsfonts (2:20200910-7) ...
Setting up imagemagick-6.q16 (8:6.9.11.60+dfsg-1.6+deb12u2) ...
update-alternatives: using /usr/bin/compare-im6.q16 to provide /usr/bin/compare (compare) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/compare.1.gz because associated file /usr/share/man/man1/compare-im6.q16.1.gz (of link group compare) doesn't exist
update-alternatives: using /usr/bin/compare-im6.q16 to provide /usr/bin/compare-im6 (compare-im6) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/compare-im6.1.gz because associated file /usr/share/man/man1/compare-im6.q16.1.gz (of link group compare-im6) doesn't exist
update-alternatives: using /usr/bin/animate-im6.q16 to provide /usr/bin/animate (animate) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/animate.1.gz because associated file /usr/share/man/man1/animate-im6.q16.1.gz (of link group animate) doesn't exist
update-alternatives: using /usr/bin/animate-im6.q16 to provide /usr/bin/animate-im6 (animate-im6) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/animate-im6.1.gz because associated file /usr/share/man/man1/animate-im6.q16.1.gz (of link group animate-im6) doesn't exist
update-alternatives: using /usr/bin/convert-im6.q16 to provide /usr/bin/convert (convert) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/convert.1.gz because associated file /usr/share/man/man1/convert-im6.q16.1.gz (of link group convert) doesn't exist

update-alternatives: using /usr/bin/convert-im6.q16 to provide /usr/bin/convert-im6 (convert-im6) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/convert-im6.1.gz because associated file /usr/share/man/man1/convert-im6.q16.1.gz (of link group convert-im6) doesn't exist

update-alternatives: using /usr/bin/composite-im6.q16 to provide /usr/bin/composite (composite) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/composite.1.gz because associated file /usr/share/man/man1/composite-im6.q16.1.gz (of link group composite) doesn't exist

update-alternatives: using /usr/bin/composite-im6.q16 to provide /usr/bin/composite-im6 (composite-im6) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/composite-im6.1.gz because associated file /usr/share/man/man1/composite-im6.q16.1.gz (of link group composite-im6) doesn't exist

update-alternatives: using /usr/bin/conjure-im6.q16 to provide /usr/bin/conjure (conjure) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/conjure.1.gz because associated file /usr/share/man/man1/conjure-im6.q16.1.gz (of link group conjure) doesn't exist

update-alternatives: using /usr/bin/conjure-im6.q16 to provide /usr/bin/conjure-im6 (conjure-im6) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/conjure-im6.1.gz because associated file /usr/share/man/man1/conjure-im6.q16.1.gz (of link group conjure-im6) doesn't exist

update-alternatives: using /usr/bin/import-im6.q16 to provide /usr/bin/import (import) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/import.1.gz because associated file /usr/share/man/man1/import-im6.q16.1.gz (of link group import) doesn't exist

update-alternatives: using /usr/bin/import-im6.q16 to provide /usr/bin/import-im6 (import-im6) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/import-im6.1.gz because associated file /usr/share/man/man1/import-im6.q16.1.gz (of link group import-im6) doesn't exist

update-alternatives: using /usr/bin/identify-im6.q16 to provide /usr/bin/identify (identify) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/identify.1.gz because associated file /usr/share/man/man1/identify-im6.q16.1.gz (of link group identify) doesn't exist

update-alternatives: using /usr/bin/identify-im6.q16 to provide /usr/bin/identify-im6 (identify-im6) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/identify-im6.1.gz because associated file /usr/share/man/man1/identify-im6.q16.1.gz (of link group identify-im6) doesn't exist

update-alternatives: using /usr/bin/stream-im6.q16 to provide /usr/bin/stream (stream) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/stream.1.gz because associated file /usr/share/man/man1/stream-im6.q16.1.gz (of link group stream) doesn't exist
update-alternatives: using /usr/bin/stream-im6.q16 to provide /usr/bin/stream-im6 (stream-im6) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/stream-im6.1.gz because associated file /usr/share/man/man1/stream-im6.q16.1.gz (of link group stream-im6) doesn't exist
update-alternatives: using /usr/bin/display-im6.q16 to provide /usr/bin/display (display) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/display.1.gz because associated file /usr/share/man/man1/display-im6.q16.1.gz (of link group display) doesn't exist
update-alternatives: using /usr/bin/display-im6.q16 to provide /usr/bin/display-im6 (display-im6) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/display-im6.1.gz because associated file /usr/share/man/man1/display-im6.q16.1.gz (of link group display-im6) doesn't exist
update-alternatives: using /usr/bin/montage-im6.q16 to provide /usr/bin/montage (montage) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/montage.1.gz because associated file /usr/share/man/man1/montage-im6.q16.1.gz (of link group montage) doesn't exist
update-alternatives: using /usr/bin/montage-im6.q16 to provide /usr/bin/montage-im6 (montage-im6) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/montage-im6.1.gz because associated file /usr/share/man/man1/montage-im6.q16.1.gz (of link group montage-im6) doesn't exist
update-alternatives: using /usr/bin/mogrify-im6.q16 to provide /usr/bin/mogrify (mogrify) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/mogrify.1.gz because associated file /usr/share/man/man1/mogrify-im6.q16.1.gz (of link group mogrify) doesn't exist
update-alternatives: using /usr/bin/mogrify-im6.q16 to provide /usr/bin/mogrify-im6 (mogrify-im6) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/mogrify-im6.1.gz because associated file /usr/share/man/man1/mogrify-im6.q16.1.gz (of link group mogrify-im6) doesn't exist
Setting up libgs10-common (10.0.0~dfsg-11+deb12u5) ...
Setting up postgresql-client (15+248) ...
Setting up imagemagick (8:6.9.11.60+dfsg-1.6+deb12u2) ...
Setting up libgs10:amd64 (10.0.0~dfsg-11+deb12u5) ...
Setting up ghostscript (10.0.0~dfsg-11+deb12u5) ...
Processing triggers for libc-bin (2.36-9+deb12u8) ...
Processing triggers for ca-certificates (20230311) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.

```
Running hooks in /etc/ca-certificates/update.d...
done.
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
Removing intermediate container e8cb2ea36352
---> 2694879207f4
Step 10/14 : WORKDIR /opt/r3
---> Running in 699872ae2926
Removing intermediate container 699872ae2926
---> 476ce27207ee
Step 11/14 : ADD https://rei3.de/downloads/REI3_${r3_version}_${r3_os_arch}_linux.tar.gz .
Downloading
[=====]
42.31MB/42.31MB

---> 37381b4d0b0c
Step 12/14 : RUN tar -xvf REI3_${r3_version}_${r3_os_arch}_linux.tar.gz r3
config_template.json && sed -i "s/localhost/${r3_db_host}/g" config_template.json && sed
-i "s/443/80/g" config_template.json && sed -i "s/\"name\": \"app\"/\"name\":
\"${r3_db_name}\"/g" config_template.json && sed -i "s/\"user\": \"app\"/\"user\":
\"${r3_db_user}\"/g" config_template.json && sed -i "s/\"pass\": \"app\"/\"pass\":
\"${r3_db_pass}\"/g" config_template.json && chmod 755 r3 && chmod 644
config_template.json && rm REI3_${r3_version}_${r3_os_arch}_linux.tar.gz
---> Running in 610bfac2edf0
config_template.json
r3
Removing intermediate container 610bfac2edf0
---> 6ebd8bf41663
Step 13/14 : EXPOSE 80
---> Running in 098abfd9d87d
Removing intermediate container 098abfd9d87d
---> e0c24f14504c
Step 14/14 : CMD ["/opt/r3/r3", "-run", "-http", "-config", "/opt/r3/data/config.json"]
---> Running in 313052f9c38f
Removing intermediate container 313052f9c38f
---> af2db49a873f
Successfully built af2db49a873f
Successfully tagged r3/3.9:latest
Recreating r3.8.6_db ... done
Recreating r3.8.6_app ... done
Docker Compose erfolgreich gestartet.
```

Wieder anmelden und jetzt steht unten recht die neue Versionsnummer und die Update Benachrichtigung ist logischerweise auch weg.

REI3 3.9.0.5456

In Zukunft immer nur das Update script mit der Versionsnummer aus dem Docker Compose File von der Webseite ausführen

Installation PG Admin (Optional)

In der Docker compose Datei diesen weiteren Container anlegen und Kennwort ändern.

```
pgadmin:  
  image: dpage/pgadmin4:latest  
  container_name: pgadmin  
  environment:  
    PGADMIN_DEFAULT_EMAIL: admin@admin.com  
    PGADMIN_DEFAULT_PASSWORD: supersichereskennwort  
  ports:  
    - "5050:80"
```

Nun kann über Port 5050 pg admin aufgerufen werden und die Datenbank hinzugefügt werden.

Ersteinrichtung

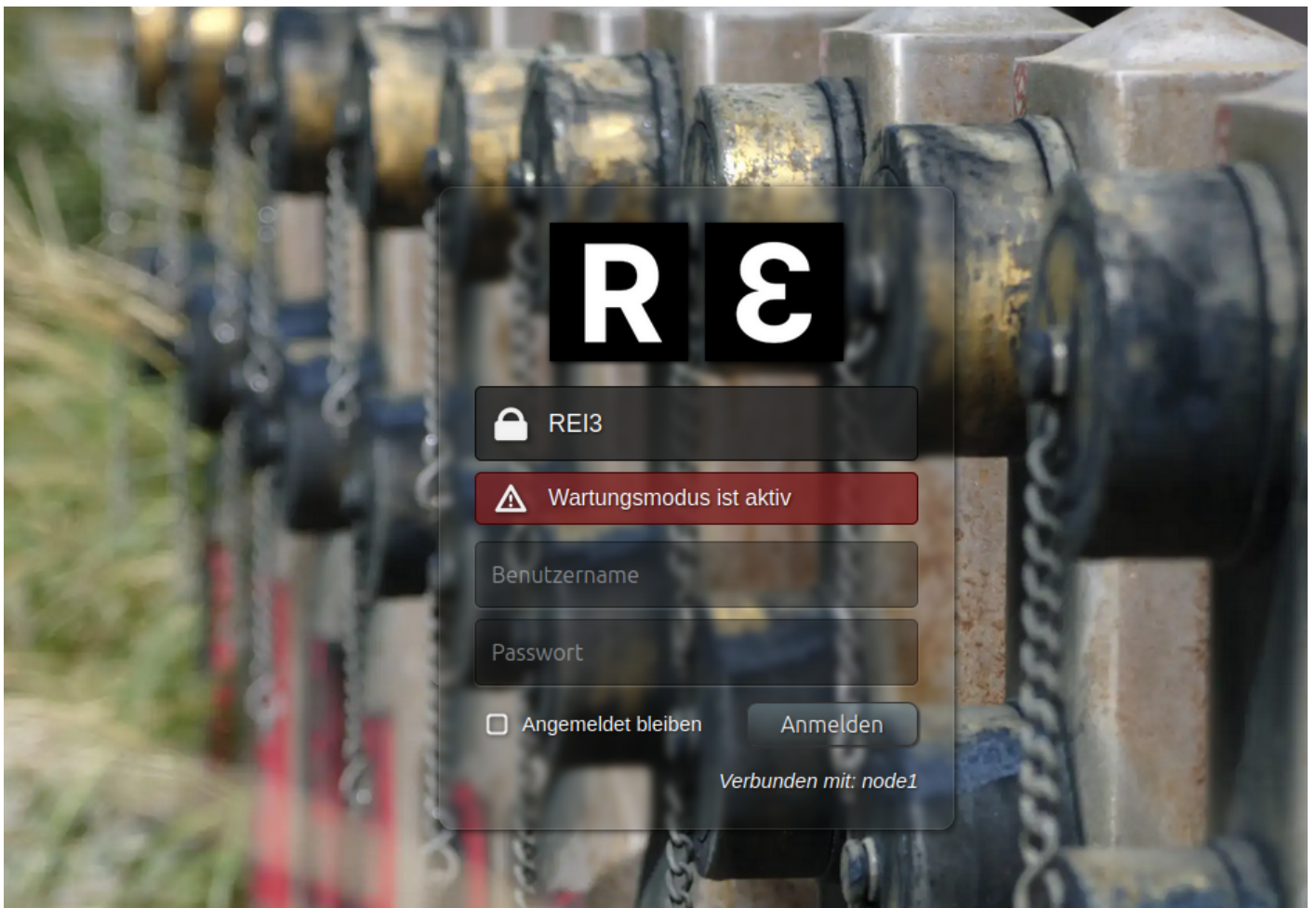
Einrichtung:

Nun nachdem der Container und Co läuft.

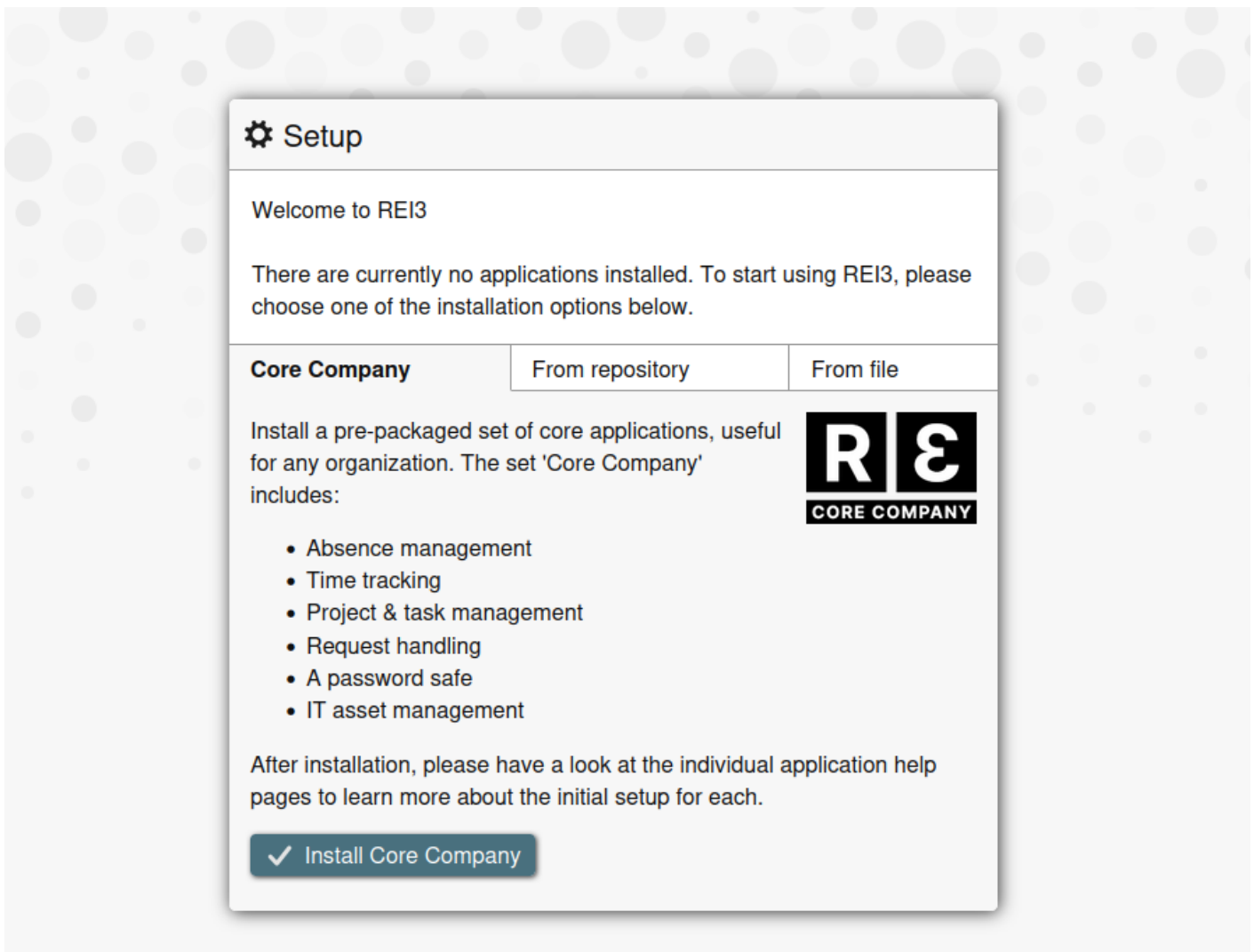
Haben wir die Loginseite, bei einer frischen Installation ist der Wartungsmodus aktiv.

Nur im Wartungsmodus können Apps erstellt oder verändert werden

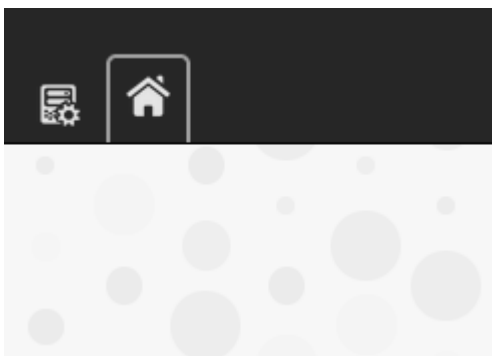
Benutzername und Kennwort sind standardmäßig admin



Nach dem Login bekommen wir eine Seite wo wir drauf hingewiesen werden, dass es noch keine Apps gibt. Wir können Standard apps installieren um Beispiele zu bekommen, oder aus der repo oder unsere vielleicht schon erstellte app aus einer Datei.

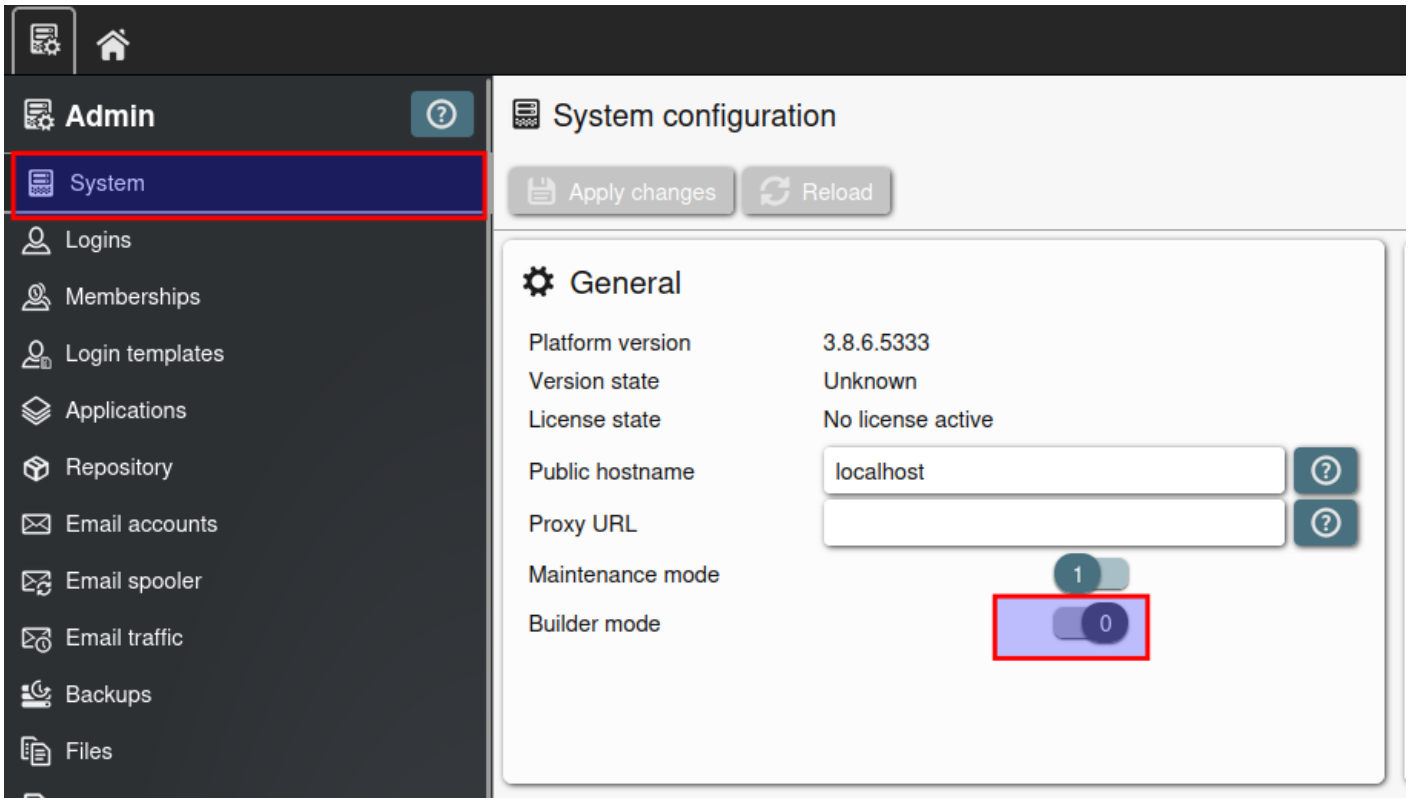


Möchten wir gar nichts von allen dreien, haben wir oben links ein Menü das Häuschen die App Oberfläche, da wir keine Apps haben bekämen wir wieder die Seite von Anfang oder das Symbol Server mit Zahnrad für die Einstellungen. Wie Benutzer backups etc. Wir installieren mal gar nichts und Bauen eine App von Scratch:



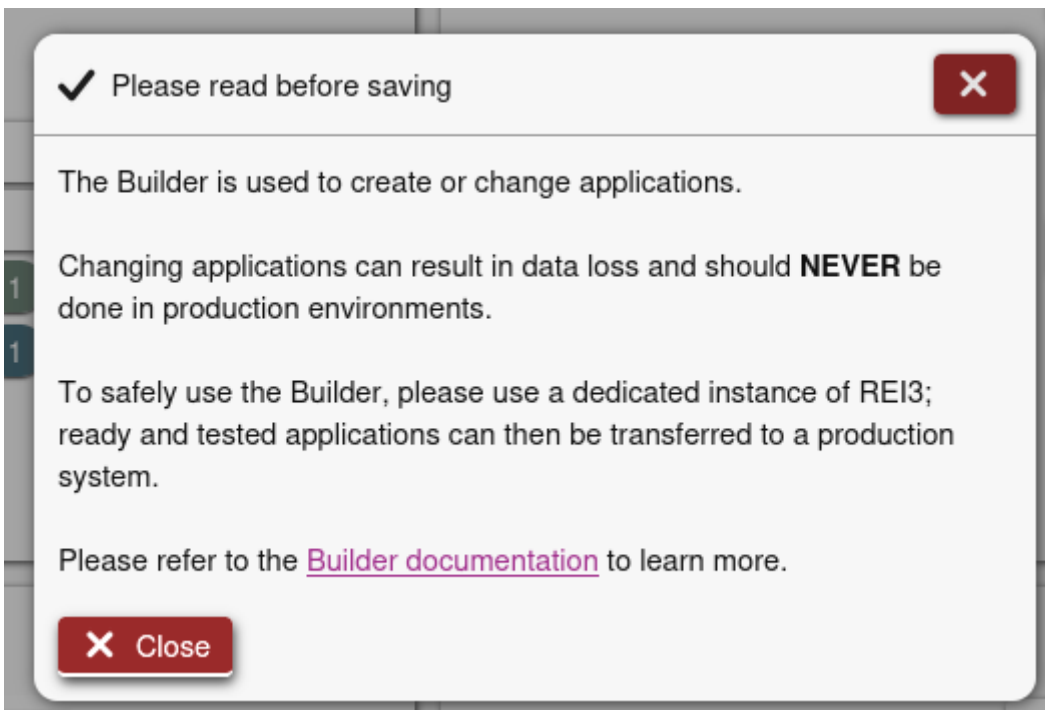
Wir klicken auf das Zahnrad und gehen dann zu logins, dort ändern wir das Passwort für den Admin.

Nun gehen wir unter System und enabled den Builder mode, damit wir Apps bauen können

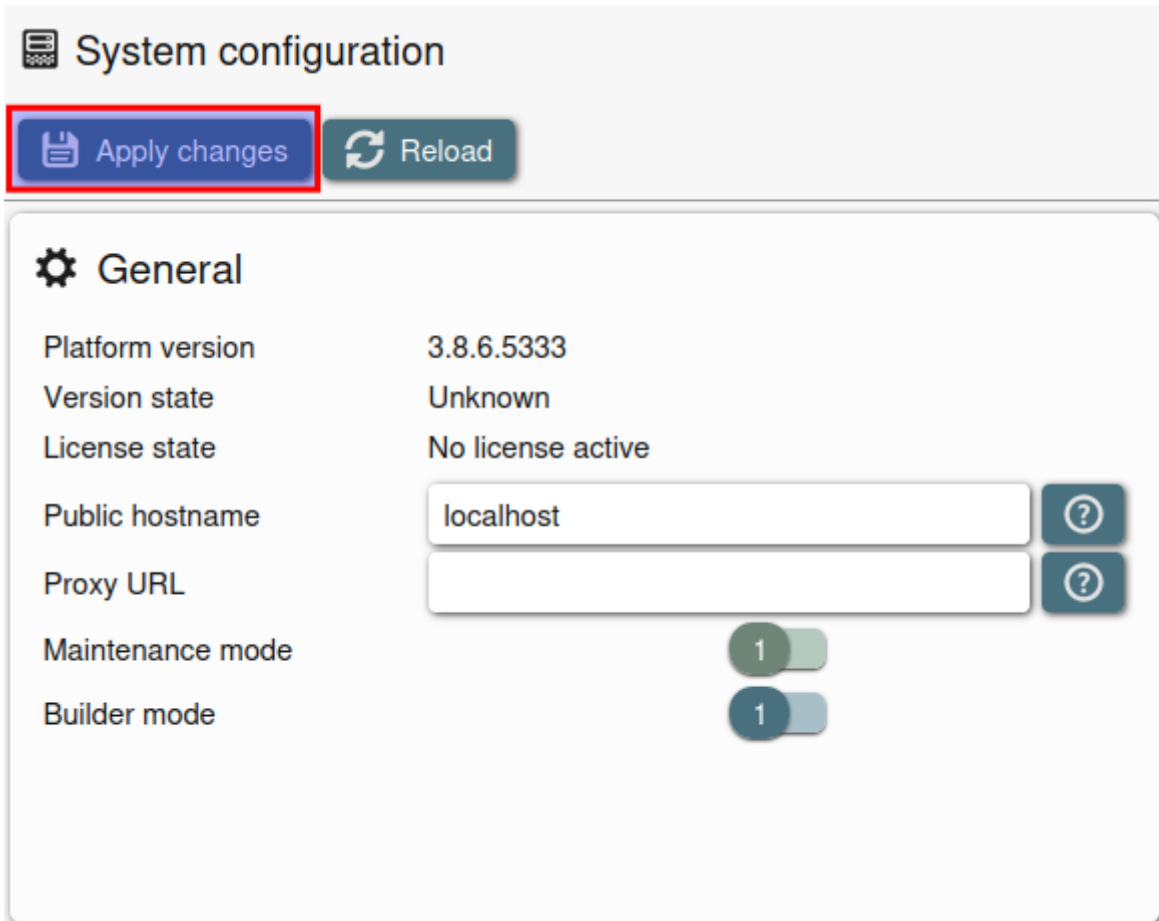


Nun bekommen wir einen Hinweis, das veränderung an einer App mit Datenverlust zu rechnen ist. Dank Docker können wir uns mehrere Instanzen bauen und die Apps nachher in Produktiv importieren.

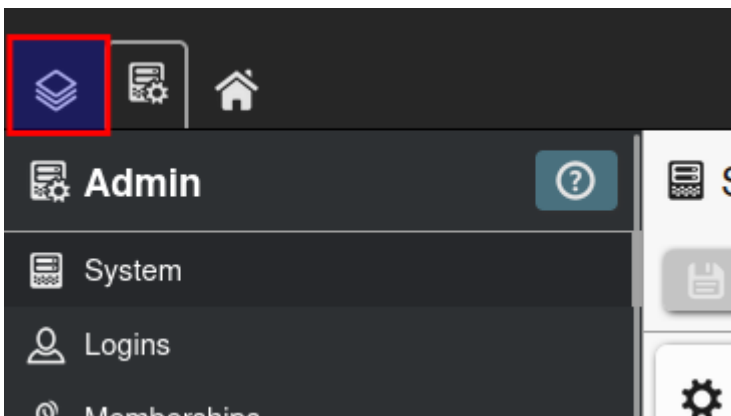
Auf close klicken



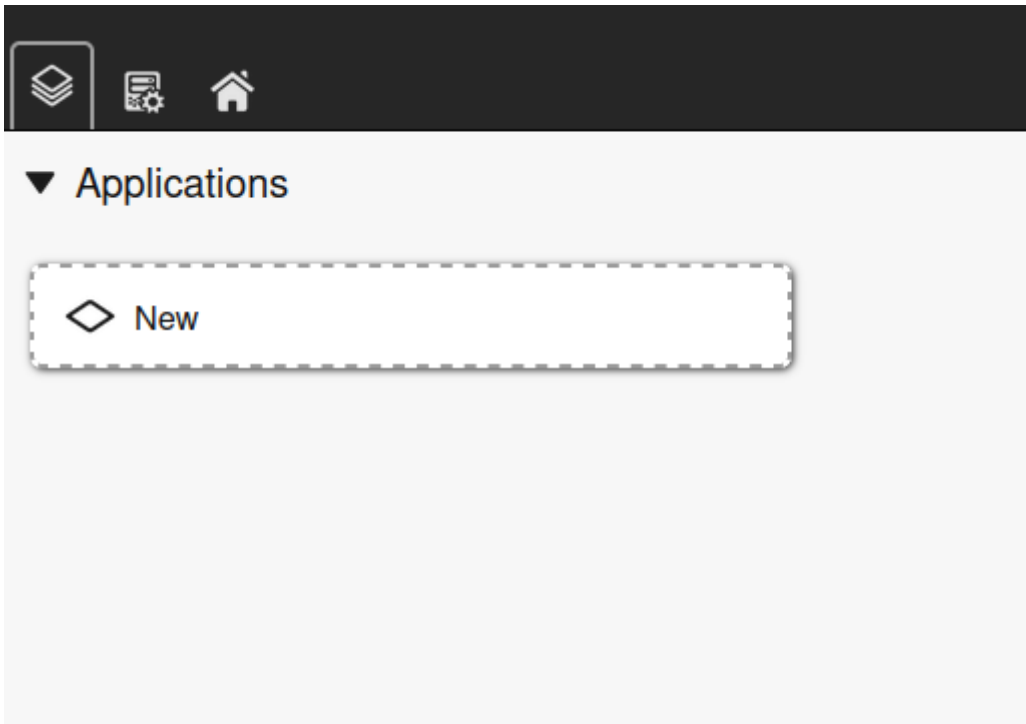
Dann auf Apply changes klicken



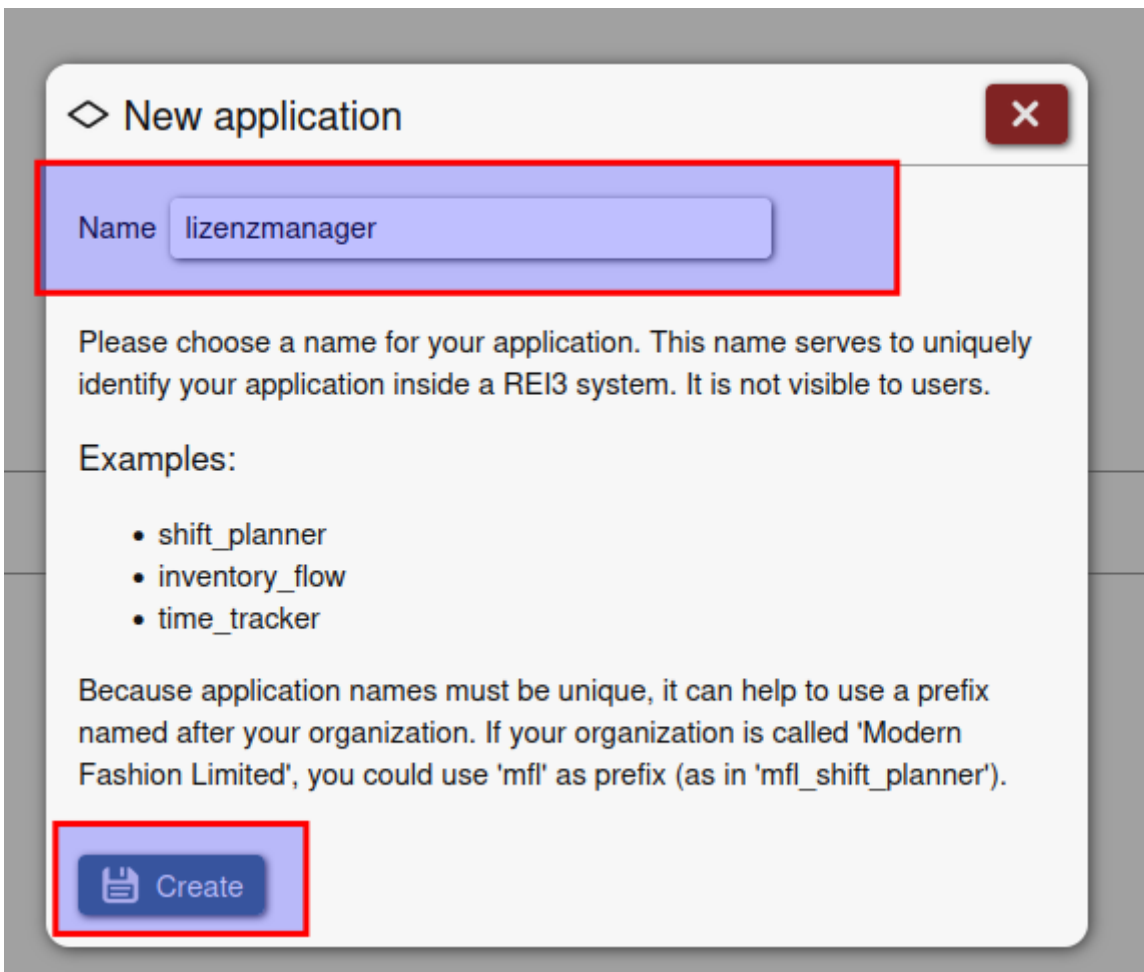
Jetzt haben wir ein neues Symbol in der Leiste oben links. Dieses anklicken



Dort haben wir unsere Liste von Anwendungen, da wir noch keine haben, klicken wir auf new um eine Neue zu erstellen.



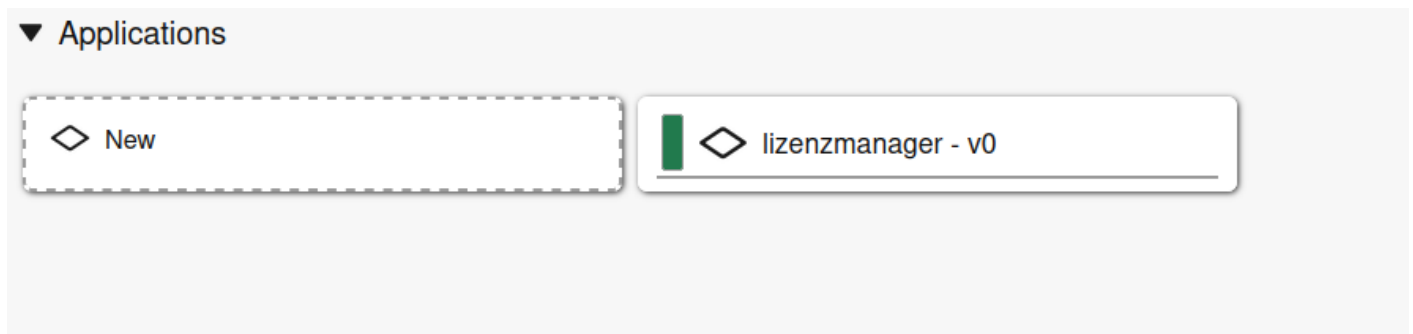
Wir vergeben einen Namen für unsere App, hier "lizenzmanager" als Beispiel
Die Namen müssen immer alle klein geschrieben sein und dürfen keine Sonderzeichen enthalten.
Nur zahlen und Buchstaben und muss mit Buchstaben beginnen.
Nun klicken wir auf create



Jetzt steht die App in der Liste mit der Versionsnummer dahinter.

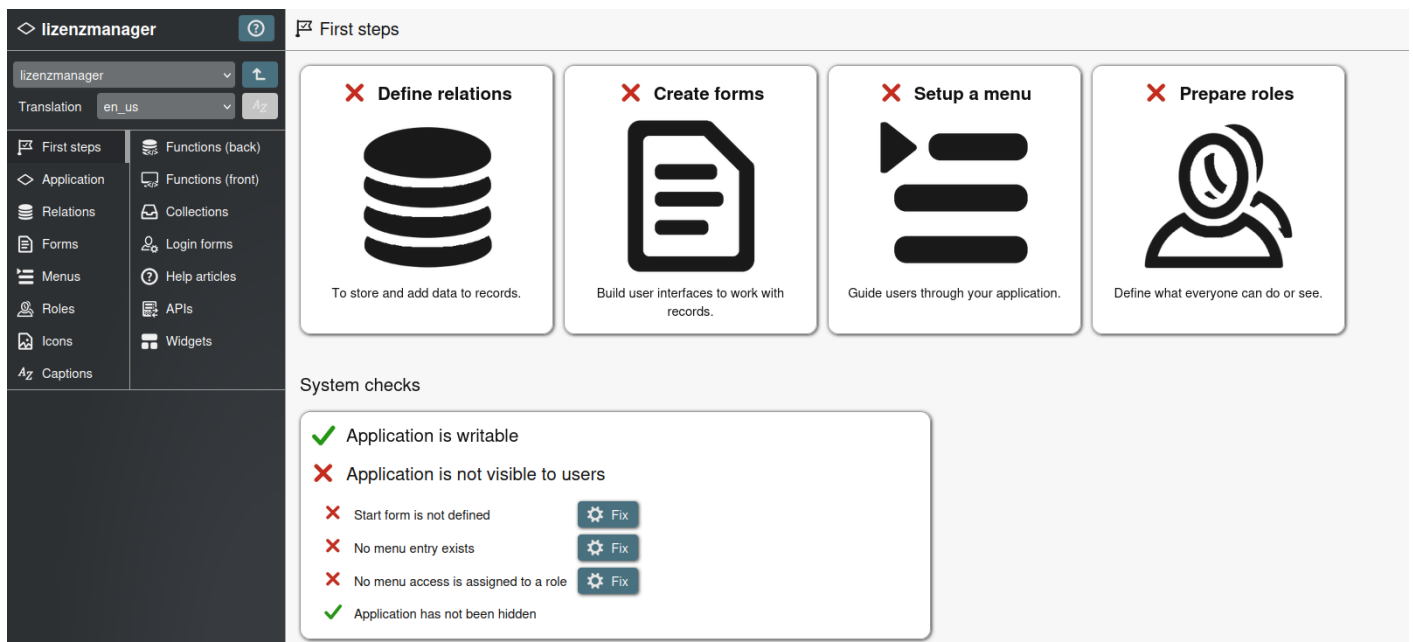
hier Version : v0

Wir klicken da drauf um unsere App zu bearbeiten



Das Übersichtsfenster. Dort wird die Datenbank, dann die Formulare, wenn gewünscht ein Seitenmenü und wenn auch gewünscht mehrere Benutzer angelegt sind, die Rechte verwaltet werden.

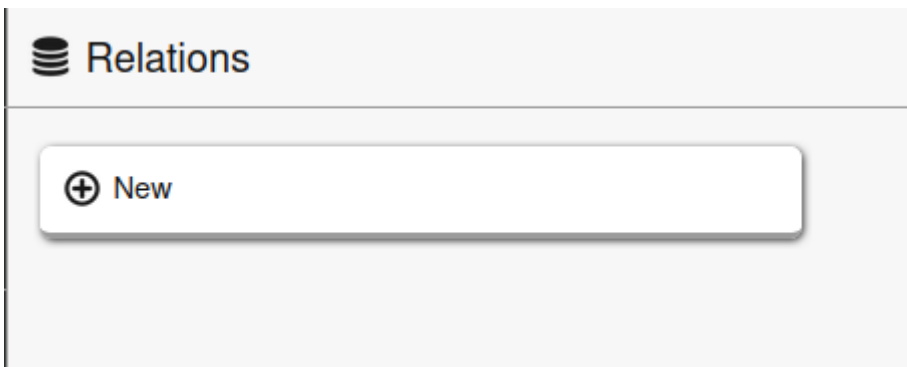
Sprachen können auch noch definiert werden.



Wir fangen mit der Datenbank an, klicken auf Define Relations



Da es noch keine Relation gibt klicken wir auf New.
Relations sind Tabellen



Nun vergeben wir einen Namen, hier Kunden
Man kann die Daten auch verschlüsseln. ;-)
Dann auf create klicken

New relation ✕

Name

A relation name should reflect what is stored inside it. It must be unique within an application.

Examples:

- event
- event_attendance
- location
- location_event

Additional options

End-to-end Encryption

Enables end-to-end encryption (E2EE) for attributes on this relation. E2EE has benefits and drawbacks - please carefully read the Builder documentation before using it. This setting cannot be changed later.

Nun haben wir unsere Tabelle in der liste drauf klicken und wir können die spalten definieren

Relations

kunden

Die Spalte ID wird immer vor angelegt, durch klicken auf new legen wir eine neue Spalte an.

The screenshot shows the 'Relation 'kunden'' interface. It has a header with a hamburger menu icon and the title 'Relation 'kunden''. Below the header are three tabs: 'Attributes (1)', 'Indexes (1)', and 'Triggers (0)'. The 'Attributes (1)' tab is active, showing a 'New' button with a plus icon and a list of attributes. The first attribute is '91 id', which has a star icon and a dashed box icon next to it.

Nun spalten Namen eingeben, Typ auswählen, hier Text.

Mit must have value wird es ein Pflichtfeld

Es kann auch ein Titel mit der Übersetzung erstellt werden, aber dazu später. Iwr können hier sonst schon mal de_de eintragen, wenn gewünscht.

Dann auf Create + new wenn wir eine weitere Spalte anlegen wollen, ansonsten auf create.

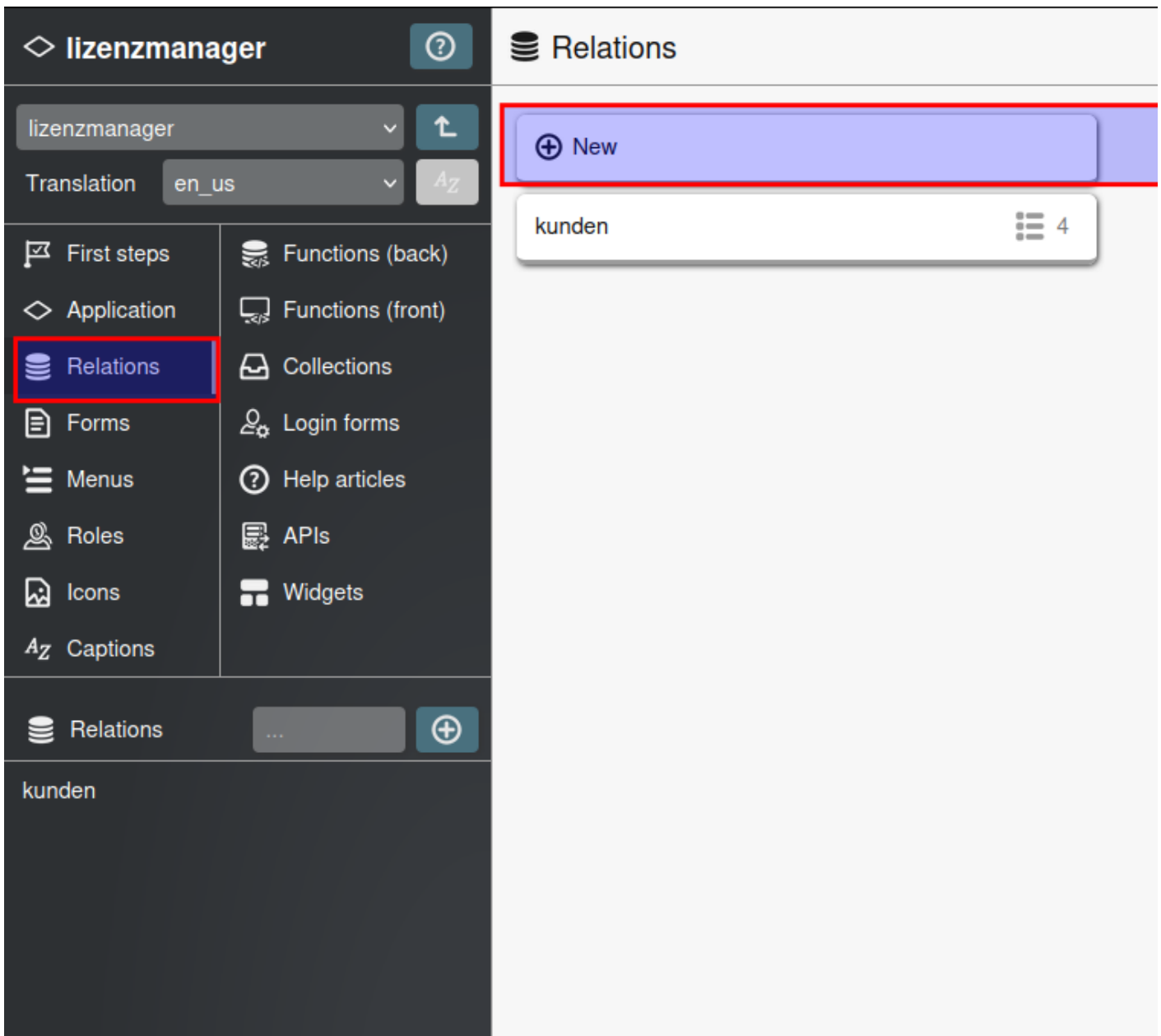
The screenshot shows the 'New attribute' dialog box. It has a title bar with a close button (X) and three buttons: 'Create', 'Create+New', and 'Reload'. The dialog contains a form with the following fields:

Name	<input type="text" value="name"/> <input type="checkbox"/> ID	The name serves as internal reference - it is not shown to users.
Title	<input type="text" value="en_us"/> <input type="checkbox"/> Az	The title can be translated in available application languages. It is shown to users if not overwritten by a field or column title.
Icon	<input type="text" value="🔖"/>	Is shown within input fields if not overwritten.
Value type	<input type="text" value="Text"/> <input type="checkbox"/> T	Single line of text. Can be used for names, email addresses, phone numbers, addresses and so on.
Max. characters	<input type="text" value="0"/>	
Must have value	<input type="checkbox"/>	If enabled, this value must never be empty. Inputs for this attribute are mandatory by default.
Default value	<input type="text" value="Custom value"/> <input type="text" value="..."/>	A default value will be used if no other value is given.
Database type	<input type="text" value="text"/>	Information for experts.

Nun haben wir unsere Tabelle. Alle Spalten mit * sind Pflichtfelder

Attributes (4)		Indexes (1)	
New			
91 id	*		
T firma			
T name	*		
T vorname	*		

Nun erstellen wir eine zweite Tabelle mit dem Namen lizenzen.
Dazu im Menü links auf Relations klicken und dann wieder auf New



Das erste Feld heißt lizenzschluessel und ist ein Pflichtfeld und typ text, create+new anklicken

T New attribute ✕

Create
 Create+New
 Reload

Name	<input type="text" value="lizenzschlüssel"/>	ID	The name serves as internal reference - it is not shown to users.
Title	<input type="text" value="en_us"/>	AZ	The title can be translated in available application languages. It is shown to users if not overwritten by a field or column title.
Icon			Is shown within input fields if not overwritten.
Value type	<input type="text" value="Text"/> ▼	T	Single line of text. Can be used for names, email addresses, phone numbers, addresses and so on.
Max. characters	<input type="text" value="0"/>		
Must have value	<input checked="" type="checkbox"/>		If enabled, this value must never be empty. Inputs for this attribute are mandatory by default.
Default value	<input type="text" value="Custom value"/> ▼ <input type="text" value="..."/>		A default value will be used if no other value is given.
Database type	<input type="text" value="text"/>		Information for experts.

Das zweite Feld wird eine Verbindung zur Kundentabelle. Die Spalte heißt kunde und ist eine 1:N Verbindung.

Ein Kunde kann mehrere Lizenzen haben oder umgekehrt eine Lizenz kann nur einen Kunden haben.

Namen und typ auswählen n:1

➤ New attribute
✕

📄 Create
📄 Create+New
🔄 Reload

Name	<input style="width: 90%;" type="text" value="kunde"/>	<input type="checkbox"/> ID	The name serves as internal reference - it is not shown to users.
Title	<input style="width: 90%;" type="text" value="en_us"/>	<input type="checkbox"/> Az	The title can be translated in available application languages. It is shown to users if not overwritten by a field or column title.
Icon	<input type="checkbox"/>		Is shown within input fields if not overwritten.
Value type	<input style="width: 90%;" type="text" value="Relationship, many-to-one (n:1)"/>	<input type="checkbox"/>	Connects one relation to another. Many-to-one relationships (n:1) allow multiple records of a relation to reference the same record on another. Examples: Students attending a class or employees of an organization.
Relationship with	<input style="width: 90%;" type="text" value="-"/>		
Action when deleted	<input style="width: 90%;" type="text" value="NO ACTION"/>		Block the deletion, if a record referenced by this relationship attribute is being deleted. The referenced record can only be deleted after it has been removed from the relationship.
Action when changed	<input style="width: 90%;" type="text" value="NO ACTION"/>		Works identical to the setting for 'Action when deleted'. In contrast to deletion, this setting affects what happens when the primary key ('id') of a record that is referenced by this relationship attribute is changed. Seldom used, as there are few reasons to update primary keys.
Must have value	<input checked="" type="checkbox"/>		If enabled, this value must never be empty. Inputs for this attribute are mandatory by default.
Database type	<input style="width: 90%;" type="text" value="n:1"/>		Information for experts.

Dann bei Relationship die Tabelle kunden auswählen.
 Action when changed und deleted, restrict aus.
 klicken dann auf create.

Die Werte in diesem Dropdown-Menü beziehen sich auf die Aktionen, die in einer relationalen Datenbank (normalerweise bei Fremdschlüsseln) ausgeführt werden, wenn eine referenzierte Zeile geändert oder gelöscht wird.

Hier ist, was die einzelnen Optionen bedeuten:

NO ACTION: Wenn ein Datensatz, auf den verwiesen wird, gelöscht oder geändert wird, wird keine spezifische Aktion ausgeführt. Falls die referenzierte Zeile jedoch noch verwendet wird, kann die Operation fehlschlagen und eine Fehlermeldung ausgeben.

CASCADE: Diese Option sorgt dafür, dass alle verbundenen Datensätze automatisch ebenfalls gelöscht oder aktualisiert werden. Wenn z. B. ein Datensatz in der Haupttabelle gelöscht wird,

werden alle verknüpften Datensätze in der abhängigen Tabelle ebenfalls gelöscht.

SET NULL: Wenn der referenzierte Datensatz gelöscht oder geändert wird, wird der Fremdschlüssel in der abhängigen Tabelle auf NULL gesetzt. Dies setzt voraus, dass das Fremdschlüsselfeld NULL-Werte zulässt.







RESTRICT: Diese Option verhindert die Löschung oder Aktualisierung des referenzierten Datensatzes, solange noch eine Verbindung zu abhängigen Datensätzen besteht. Es gibt also eine Einschränkung, und die Operation wird nicht ausgeführt, um die Integrität der Datenbank zu wahren.

New attribute ✕

Create Create+New Reload

Name	<input type="text" value="kunde"/> ID	The name serves as internal reference - it is not shown to users.
Title	<input type="text" value="en_us"/> Az	The title can be translated in available application languages. It is shown to users if not overwritten by a field or column title.
Icon	<input type="text" value="🔒"/>	Is shown within input fields if not overwritten.
Value type	<input type="text" value="Relationship, many-to-one (n:1)"/> ↔	Connects one relation to another. Many-to-one relationships (n:1) allow multiple records of a relation to reference the same record on another. Examples: Students attending a class or employees of an organization.
Relationship with	<input type="text" value="kunden"/>	
Action when deleted	<input type="text" value="RESTRICT"/>	Similar to NO ACTION but usually only relevant for special use cases. Like NO ACTION, it blocks the action if a referenced record is being deleted. But in contrast to NO ACTION, this is done immediately and not at the end of a database transaction.
Action when changed	<input type="text" value="RESTRICT"/>	Works identical to the setting for 'Action when deleted'. In contrast to deletion, this setting affects what happens when the primary key ('id') of a record that is referenced by this relationship attribute is changed. Seldom used, as there are few reasons to update primary keys.
Must have value	<input checked="" type="checkbox"/>	If enabled, this value must never be empty. Inputs for this attribute are mandatory by default.
Database type	<input type="text" value="n:1"/>	Information for experts.

Jetzt sieht unsere Lizenz Tabelle so aus

Relation 'lizenzen'	
Attributes (3)	Indexes (2)
 New	
91 id	* 
 kunde	* 
 lizenzschiessel	* 

Nachher bei den Icons, kann man hier auch icons runterladen.
Darauf achten das Icon Transparents hat

Eine Vollständige Liste aller MDI Icons (MaterialDesignIcons) <https://materialdesignicons.com/>

Backup & Restore

Daten einer einzelnen Applikation sichern

Beschreibung:

Es gibt momente da möchte man nicht alles wiederherstellen, sondern nur eine Einzelne Applikation.

Oder man möchte eine Applikation mit Daten auf eine andere Instanz übertragen.

Vorraussetzung:

Der SQL-Server ist von außen erreichbar oder auf dem gleichem Host erreichbar.

Die Applikationen die transferiert werden haben quelle und ziel den gleichen Versionsstand.

Ablauf:

Appliation auf neue Instanz ausrollen.

Applikationsdaten auf neue Instanz ausrollen (Die vorhandenen aus der Datenbank werden gelöscht).

Backupprogramm erstellen:

Das Backupprogramm ist ein docker-container auf Debian 13 trixie basis

Es besteht aus einer dockerfile

einem Script

einer docker-compose datei

Das Script backup_Script.py

```
#!/usr/bin/python3
import os
import subprocess
from datetime import datetime
```

```

def backup_or_restore():
    # Read environment variables
    host = os.getenv("BACKUP_HOST")
    database = os.getenv("BACKUP_DATABASE")
    schema = os.getenv("BACKUP_SCHEMA")
    user = os.getenv("BACKUP_USER")
    password = os.getenv("BACKUP_PASSWORD")
    action = os.getenv("BACKUP_ACTION", "backup")
    restore_file = os.getenv("RESTORE_FILE") # Datei für das Restore

    # Set backup file name with current date
    backup_file = f"/backup/{database}_{schema}_{datetime.now().strftime('%Y%m%d_%H%M%S')}.sql"

    # Set environment variable for password
    env = {"PGPASSWORD": password}

    if action == "backup":
        # Create the backup command
        command = [
            "pg_dump",
            "-h", host,
            "-U", user,
            "-d", database,
            "-n", schema,
            "-f", backup_file
        ]
        try:
            print("Erstelle Backup...")
            subprocess.run(command, env=env, check=True)
            print(f"Backup erfolgreich erstellt: {backup_file}")
        except subprocess.CalledProcessError as e:
            print(f"Fehler beim Erstellen des Backups: {e}")

    elif action == "restore":
        # Verwende die angegebene Datei oder den automatisch benannten Dateinamen
        if not restore_file:
            print("Fehler: Keine Datei für das Restore angegeben.")
            return

```

```
drop_schema_command = f"DROP SCHEMA IF EXISTS {schema} CASCADE;\n"
```

```
try:
```

```
    # Read the specified backup file
```

```
    with open(restore_file, 'r') as f:
```

```
        backup_content = f.read()
```

```
    restore_content = drop_schema_command + backup_content
```

```
    # Write to a temporary file
```

```
    temp_file = f"{restore_file}.temp.sql"
```

```
    with open(temp_file, 'w') as f:
```

```
        f.write(restore_content)
```

```
    # Run the restore command
```

```
    command = [
```

```
        "psql",
```

```
        "-h", host,
```

```
        "-U", user,
```

```
        "-d", database,
```

```
        "-f", temp_file
```

```
    ]
```

```
    print("Stelle Backup wieder her...")
```

```
    subprocess.run(command, env=env, check=True)
```

```
    print("Wiederherstellung erfolgreich.")
```

```
    # Delete the temporary file
```

```
    if os.path.exists(temp_file):
```

```
        os.remove(temp_file)
```

```
        print(f"Temporäre Datei nach Fehler gelöscht: {temp_file}")
```

```
except Exception as e:
```

```
    print(f"Fehler bei der Wiederherstellung: {e}")
```

```
    # Optional: Remove temp file if it exists, even on failure
```

```
    if os.path.exists(temp_file):
```

```
        os.remove(temp_file)
```

```
        print(f"Temporäre Datei nach Fehler gelöscht: {temp_file}")
```

```
else:
```

```
    print("Ungültige Aktion. Verwenden Sie 'backup' oder 'restore'.")
```

```
if __name__ == "__main__":
    backup_or_restore()
```

Dockerfile:

```
# Base image: Debian 13
FROM debian:trixie

# Install Python3 and PostgreSQL client tools
RUN apt update && \
    apt install -y python3 python3-pip postgresql-client && \
    rm -rf /var/lib/apt/lists/*

# Set the work directory and backup directory
WORKDIR /backup

# Copy the Python script to /usr/bin
COPY backup_script.py /usr/bin/backup_script.py
RUN chmod +x /usr/bin/backup_script.py

# Set environment variables
ENV BACKUP_HOST ""
ENV BACKUP_DATABASE ""
ENV BACKUP_SCHEMA ""
ENV BACKUP_USER ""
ENV BACKUP_PASSWORD ""
ENV BACKUP_ACTION "backup" # Default action is "backup", can be "restore" as well

# Run the script on container start
ENTRYPOINT ["/usr/bin/backup_script.py"]
```

Docker compose datei

```
version: '3.3'

services:
  postgres_backup:
    build: .
    environment:
      - BACKUP_HOST=127.0.0.1 #hostname or ip
```

- BACKUP_DATABASE=app #database name for rei3 let it os
- BACKUP_SCHEMA=hacker_soft_lizenzmanager #the applikation name
- BACKUP_USER=app #rei 3 standard user
- BACKUP_PASSWORD=app #your password (app is standard)
- BACKUP_ACTION=backup # Use "backup" for backup and "restore" for restore actions
- RESTORE_FILE=/backup/app_20241027_195303.sql #the path to file to restore

volumes:

- ./backup:/backup # Mount local backup folder

restart: "no" # Do not restart automatically

Starten:

Den container starten. Beim ertsen mal wird da image erstellt wenn es noch nicht besteht.

```
docker-compose up -d postgres_backup
```

Soll das Image neuerstellt werden dann

```
docker-compose up -d --build postgres_backup
```

mit dem Befehl können wir uns das Log anschauen

```
docker-compose logs postgres_backup
```

Screenshots:

Our Applikation with Data on Source

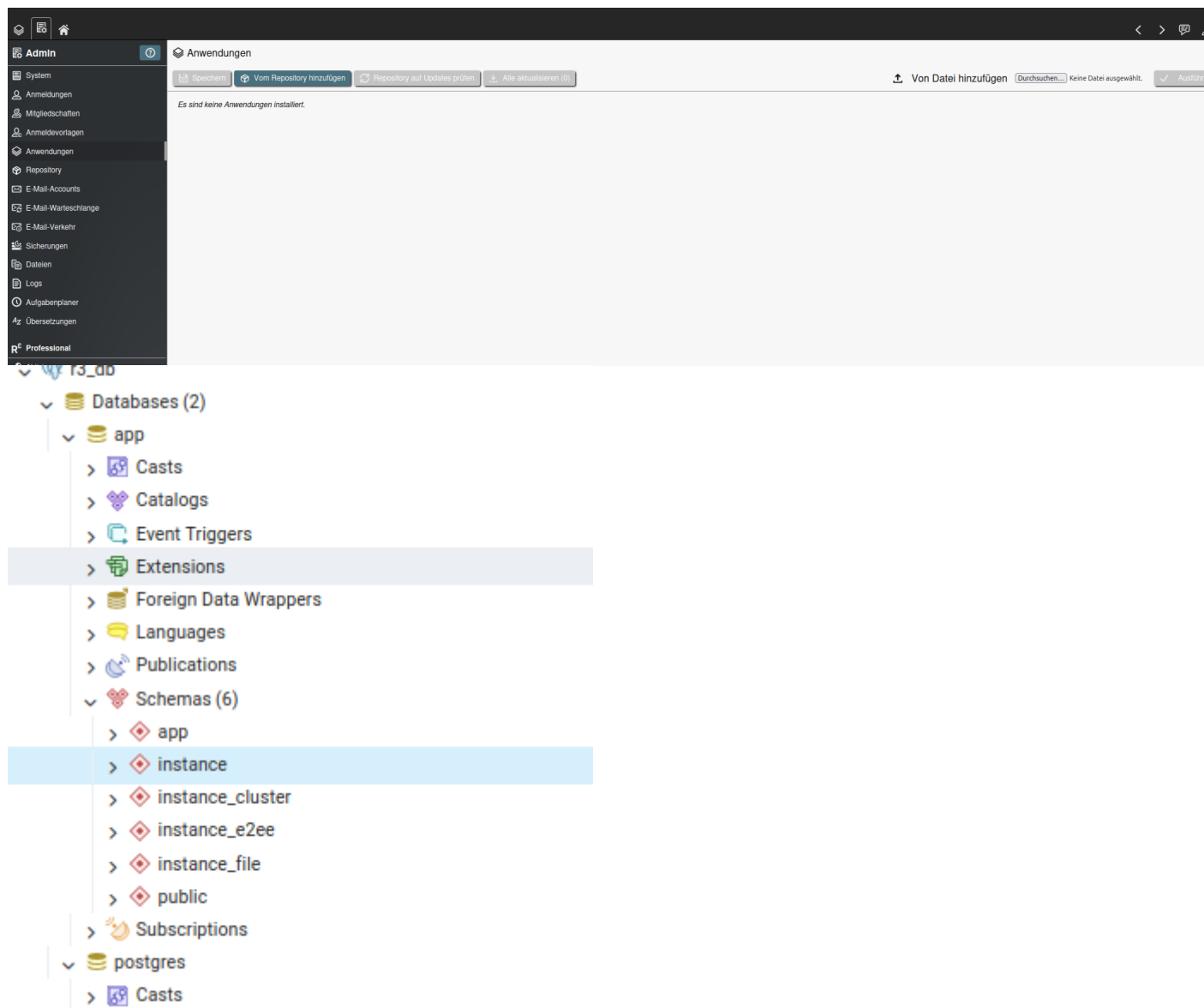


Make backup:

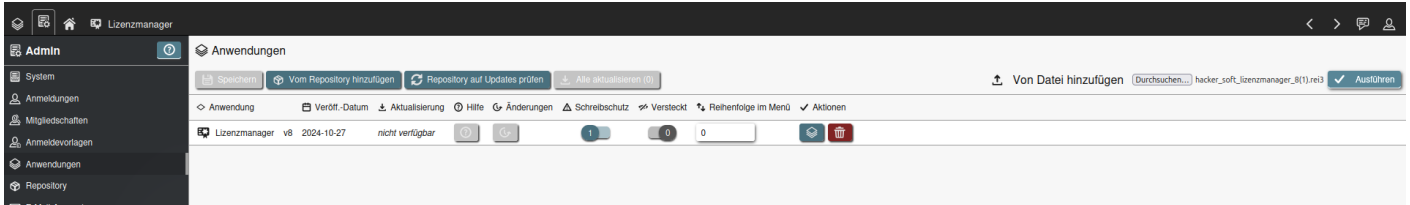
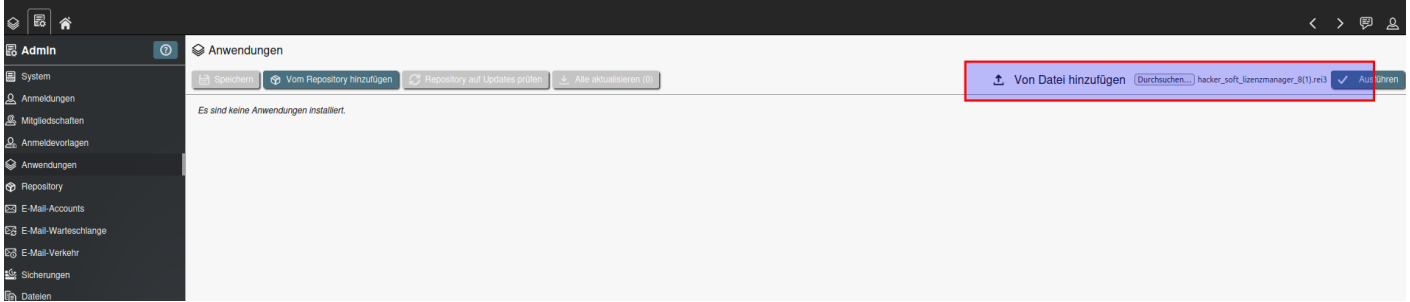
Comamnds and output:

```
root@rei3:~/rei3# docker-compose up -d postgres_backup
Recreating rei3_postgres_backup_1 ... done
root@rei3:~/rei3# docker-compose logs postgres_backup
Attaching to rei3_postgres_backup_1
postgres_backup_1 | Erstelle Backup...
postgres_backup_1 | Backup erfolgreich erstellt: /backup/app_20241027_202341.sql
root@rei3:~/rei3#
```

Nun auf der Ziel instance keine Applikation und Schema von der app existiert



Nun die Anwendung installieren auf der Zielinstance



Und wenn man die App öffnen keine Ergebniss bei Software



Nun die docker-compose Datei ändern, auf restore und den richtigen Dateinamen bei restore_file anpassen

- BACKUP_ACTION=restore # Use "backup" for backup and "restore" for restore actions
- RESTORE_FILE=/backup/app_20241027_202341.sql #the path to file to restore

Nun den container nochmals starten:
Command mit Output:

docker-compose up -d postgres_backup

```
oot@rei3:~/rei3# docker-compose up -d postgres_backup
Recreating rei3_postgres_backup_1 ... done
root@rei3:~/rei3# docker-compose logs postgres_backup
Attaching to rei3_postgres_backup_1
postgres_backup_1 | psql:/backup/app_20241027_202341.sql.temp.sql:1: NOTICE: drop
```

cascades to 6 other objects

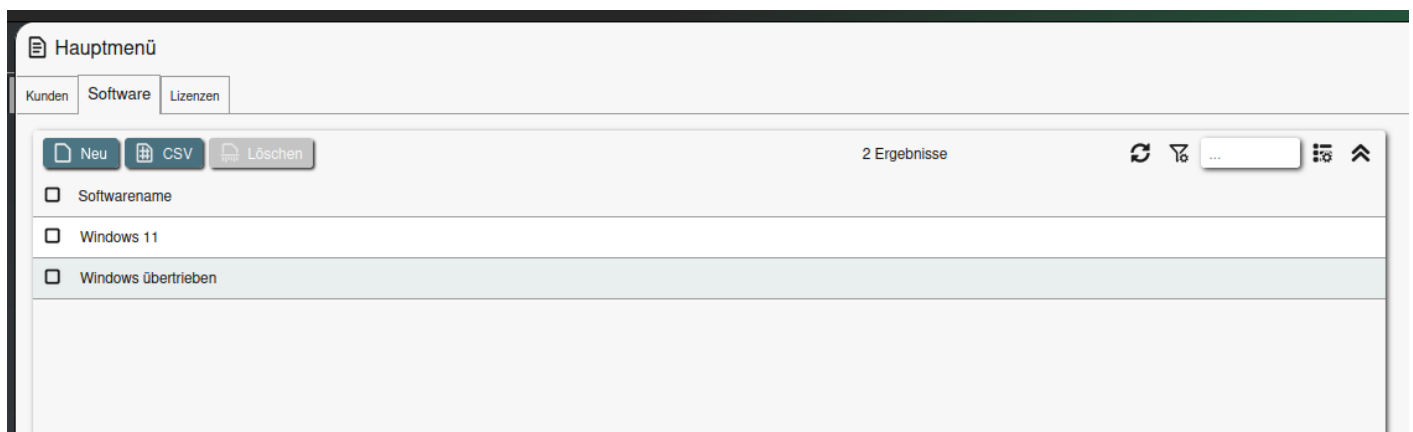
```
postgres_backup_1 | DETAIL: drop cascades to table hacker_soft_licenzmanager.kunden
postgres_backup_1 | drop cascades to table hacker_soft_licenzmanager.lizenzen
postgres_backup_1 | drop cascades to table hacker_soft_licenzmanager.software
postgres_backup_1 | drop cascades to sequence hacker_soft_licenzmanager."sq_23949c20-
8f0d-4530-9bf1-35e5db82908b"
postgres_backup_1 | drop cascades to sequence hacker_soft_licenzmanager."sq_524876be-
5a68-4162-8a9b-2a240b129d47"
postgres_backup_1 | drop cascades to sequence hacker_soft_licenzmanager."sq_b708e577-
d88f-40ef-b594-811bd8aead74"
postgres_backup_1 | DROP SCHEMA
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | set_config
postgres_backup_1 | -----
postgres_backup_1 |
postgres_backup_1 | (1 row)
postgres_backup_1 |
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | CREATE SCHEMA
postgres_backup_1 | ALTER SCHEMA
postgres_backup_1 | CREATE SEQUENCE
postgres_backup_1 | ALTER SEQUENCE
postgres_backup_1 | SET
postgres_backup_1 | SET
postgres_backup_1 | CREATE TABLE
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | CREATE SEQUENCE
postgres_backup_1 | ALTER SEQUENCE
postgres_backup_1 | CREATE TABLE
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | CREATE SEQUENCE
postgres_backup_1 | ALTER SEQUENCE
postgres_backup_1 | CREATE TABLE
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | COPY 1
postgres_backup_1 | COPY 0
```

```

postgres_backup_1 | COPY 2
postgres_backup_1 | setval
postgres_backup_1 | -----
postgres_backup_1 | 1
postgres_backup_1 | (1 row)
postgres_backup_1 |
postgres_backup_1 | setval
postgres_backup_1 | -----
postgres_backup_1 | 1
postgres_backup_1 | (1 row)
postgres_backup_1 |
postgres_backup_1 | setval
postgres_backup_1 | -----
postgres_backup_1 | 2
postgres_backup_1 | (1 row)
postgres_backup_1 |
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | CREATE INDEX
postgres_backup_1 | CREATE INDEX
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | ALTER TABLE
postgres_backup_1 | Stelle Backup wieder her...
postgres_backup_1 | Wiederherstellung erfolgreich.
postgres_backup_1 | Temporäre Datei gelöscht: /backup/app_20241027_202341.sql.temp.sql

```

Wenn wir nun wieder in die Applikation gehen und die Tabs hin und herwechseln sehen wir unsere Daten, sogar mit Umlauten



Und das Schema ist logischerweise auch wieder da

The screenshot shows a database management interface. On the left, a tree view displays the database structure. The 'Schemas (7)' folder is expanded, showing sub-schemas: 'app', 'hacker_soft_lizenzmanager' (highlighted with a red box), 'instance', 'instance_cluster', 'instance_e2ee', 'instance_file', and 'public'. Below this, 'Subscriptions' and 'postgres' are also visible. On the right, a 'Tuples in' chart displays a fluctuating orange line graph. The y-axis is labeled 'Tuples in' and has tick marks at 0, 5, and 10. The x-axis is unlabeled. The chart shows several peaks, with the highest reaching approximately 9.

Fertig

Eigene Funktionen

Ortsteil über Openstreetmap holen

Beschreibung:

Eine Frontendfunktion die über einen Button ausgelöst werden kann um den Ortsteil zu holen.

Übergeben werden die Felder aus dem Formular wo die Funktion drin ist.

Und als Rückgabe der Ortsteil der dann dem Feld zugewiesen wird.

Frontend Funktionen sind Java Script Funktionen

Die Funktion ist in zwei teile geteilt.

Einmal die httpget Funktion die ein Data Objekt zurück gibt

Und die parse Funktion in der httpget aufgerufen wird

```
function httpGet(url, onSuccess, onError) {
  console.log("Anfrage wird gestartet:", url);
  fetch(url, {
    method: "GET",
    headers: {
      "User-Agent": "Rei3-Frontend"
    }
  })
  .then(response => {
    if (!response.ok) {
      throw new Error(`HTTP-Fehler! Status: ${response.status}`);
    }
    return response.json();
  })
  .then(data => {
    if (onSuccess) {
```

```

        onSuccess(data);
    }
})
.catch(error => {
    console.error("Fehler bei der HTTP-Anfrage:", error);
    if (onError) {
        onError(error);
    }
});
}

```

```

function httpGetold(url, onSuccess, onError) {
    app.dialog_show("Info","Start");
    const xhr = new XMLHttpRequest();
    xhr.open("GET", url, true);
    app.dialog_show("Info","Open");
    xhr.onload = function () {
        if (xhr.status >= 200 && xhr.status < 300) {
            try {
                const response = JSON.parse(xhr.responseText);
                if (onSuccess) {
                    onSuccess(response);
                }
            } catch (error) {
                app.dialog_show("Info","Fehler beim Verarbeiten der HTTP-Antwort:"+ error);
                if (onError) {
                    onError(error);
                }
            }
        } else {
            app.dialog_show("Info","HTTP-Fehler:"+xhr.status+" "+xhr.statusText);
            if (onError) {
                onError(xhr.statusText);
            }
        }
    };

    xhr.onerror = function () {
        app.dialog_show("Info","Netzwerkfehler bei der HTTP-Anfrage.");
    };
}

```

```

    if (onError) {
        onError("Netzwerkfehler");
    }
};

app.dialog_show("Info", "Ende httpget");
xhr.send();

}

function fetchSuburbFromOSM() {
    // Werte aus den Formularfeldern abrufen
    const street = app.get_field_value({F3: 0 customer_adresses.street});
    const postcode = app.get_field_value({F5: 0 customer_adresses.plz});
    const city = app.get_field_value({F6: 0 customer_adresses.city});

    // Überprüfen, ob die erforderlichen Felder ausgefüllt sind
    if (!street || !postcode || !city) {
        app.dialog_show("Info", "Bitte füllen Sie alle erforderlichen Felder aus (Straße, Postleitzahl, Ort).");
        return;
    }

    // Anfrage-URL für die Nominatim API erstellen
    const query = `${street}, ${postcode}, ${city}`;
    const url =
`https://nominatim.openstreetmap.org/search?q=${encodeURIComponent(query)}&format=json&addressdetail
s=1`;

    // HTTP-GET-Aufruf
    httpGet(
        url,
        function (data) {
            // Erfolg: API-Antwort analysieren

            if (data.length > 0) {
                const address = data[0].address;
                const suburb = address.village || address.hamlet || null;

                if (suburb) {
                    app.set_field_value({F9: 0 customer_adresses.district}, suburb, true);
                }
            }
        }
    );
}

```

```
        app.dialog_show("Erfolg", `Ortsteil/Hamlet: ${suburb}`);
    } else {
        app.dialog_show("Info", "Dieser Ort hat keinen spezifischen Ortsteil.");
        app.set_field_value({F9: 0 customer_adresses.district}, "", true);
    }
} else {
    app.dialog_show("Warnung", "Keine Ergebnisse für die eingegebene Adresse gefunden.");
    app.set_field_value({F9: 0 customer_adresses.district}, "", true);
}

},
function (error) {
    // Fehler: Meldung ausgeben
    app.dialog_show("Fehler", "Die Anfrage an OpenStreetMap ist fehlgeschlagen.");
}
);

}
fetchSuburbFromOSM();
```

Aktuelles Datum mit Uhrzeit in ein Feld setzen

Beschreibung:

Man möchte das ein Datumsfeld beim speichern zum Beispiel gesetzt wird.
Funktioniert auch, falls das Datumsfeld versteckt ist oder disabled ist.

Lösung:

Das machen wir mit einer Frontend Funktion

Diese kann zum beispiel bei einer Wert Änderung aufgerufen werden:

Feld: F6, 0 todo_programming.done

Hilfetext	de_de
Icon	
Status	standard
In mobiler Ansicht	<input checked="" type="checkbox"/>
Attribut	0 todo_programming.done <input type="checkbox"/>
Min. Wert/Länge	
Max. Wert/Länge	
Validieren mit RegEx	
Standardwert	Doku lesen für Platzhalter
Standardwert(e) aus Sammlung	Sammlung <input type="text"/>
Zwischenablage	<input type="checkbox"/>
Funktion nach Wertänderung	add_solvedate <input type="checkbox"/>

Wir erstellen also erst die Frontendfunktion und lassen diese auf das jeweilige Formular verknüpfen

Frontend-Funktionen "add_solvedate" Titel (de_de)

Speichern Neu laden ID Vorschau Löschen

```

1 app.form_show_message("start", 10000);
2 if (app.get_field_value({F6: 0 todo_programming.done}) == true)
3 {
4   app.form_show_message("set date", 10000);
5   app.set_field_value({F8: 0 todo_programming.solved_date}, Math.floor(Date.now() / 1000), true);
6 }
7
8

```

Einstellungen

- Platzhalter
- Platzhalter selektieren und in der Syntax zu verwenden.
- Formular: todo_add_edit
- Relationen (1)
- 0 todo_programming

Nun der Code

```
app.form_show_message("start", 10000);
if (app.get_field_value({F6: 0 todo_programming.done}) == true)
{
  app.form_show_message("set date", 10000);
  app.set_field_value({F8: 0 todo_programming.solved_date}, Math.floor(Date.now() / 1000), true);
}
}
```

Was macht der Code, wir fragen ab ob Feld 6 ein boolesches Feld wahr also true ist. Ist dies der Fall soll das Feld F8 ein Datumsfeld auf das aktuelle Datum gesetzt werden. Der Wert ist der Wert in Sekunden, das Datumsfeld wiederum interpretiert daraus das Datum und Uhrzeit. So kann in dem Datumsfeld in den Benutzereinstellungen jede Anzeige von Datumsformaten genutzt werden. Entweder AMI oder Europisch oder oder.

Der eigentliche Code für die aktuelle Zeit ist:

```
Math.floor(Date.now() / 1000)
```

Für die Erstellung eines Datensatzes mit aktuellem Datum, brauchen wir keine Funktion, das kann man in der Tabelle/Relation hinterlegen. Wir brauchen die Funktion oben zum nachträglichen ändern.

Attribut 'createdate'



Name	<input type="text" value="createdate"/> <input type="button" value="ID"/>	Der Name dient als interne Referenz - er wird den Benutzern nicht angezeigt.
Titel	<input type="text" value="Erstellungsdatum"/> <input type="button" value="AZ"/>	Der Titel kann in die verfügbaren Anwendungssprachen übersetzt werden. Er wird den Benutzern angezeigt, wenn er nicht durch einen Feld- oder Spaltentitel überschrieben wird.
Icon	<input type="button" value="🗑️"/>	Wird in Eingabefeldern angezeigt, wenn es nicht überschrieben wird.
Werttyp	<input type="text" value="Datum + Zeit"/> <input type="button" value="📅"/>	Ein Datumswert mit Zeitkomponente. Wird für Ereignisse, Termine usw. verwendet. Bei Nutzung in Kalendern können ganz- oder teiltägige Ereignisse verwaltet werden.
Datumswerte nach 2038	<input checked="" type="checkbox"/>	Benötigt mehr Speicherplatz, ermöglicht aber Datumswerte nach Januar 2038.
Muss einen Wert haben	<input type="checkbox"/>	Wenn aktiviert, darf dieser Wert niemals leer sein. Eingaben für dieses Attribut sind standardmäßig verpflichtend.
Standardwert	<input type="text" value="Aktuelles Datum + Zeit"/>	Ein Standardwert wird verwendet, wenn kein anderer Wert angegeben wird.
Datenbanktyp	<input type="text" value="bigint"/>	Informationen für Experten.