

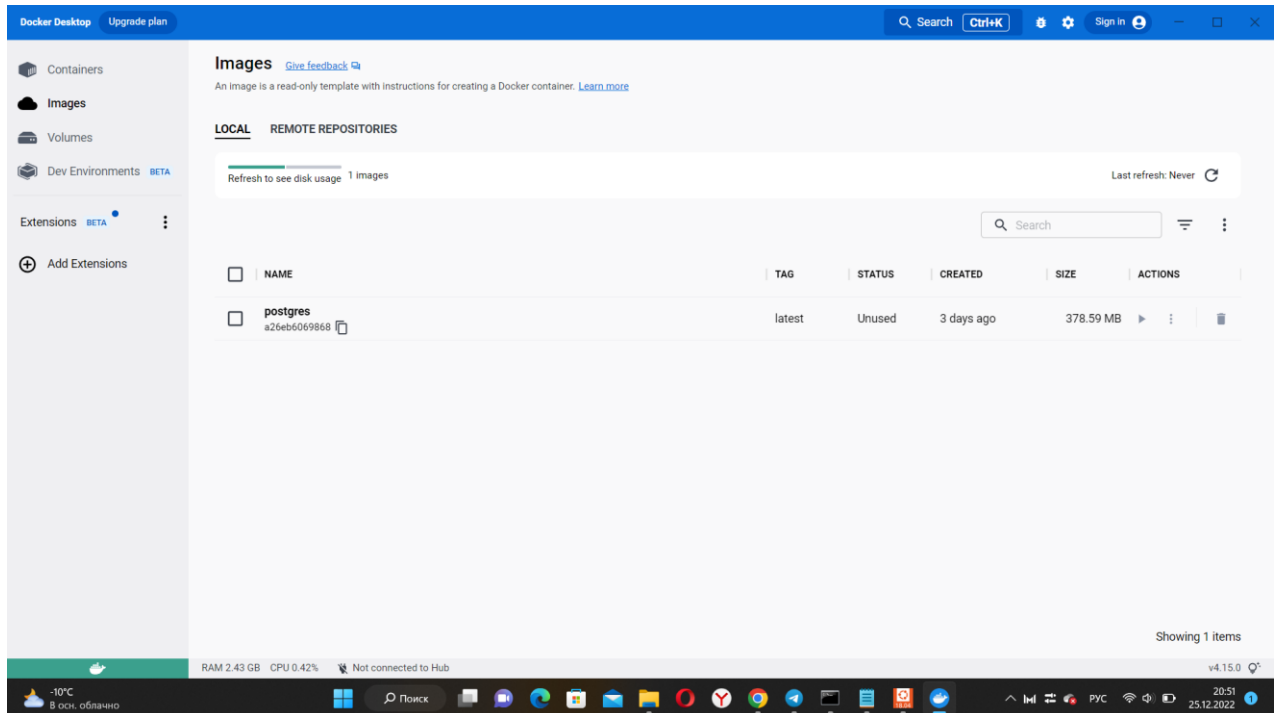
1. Установка PostgreSQL в Docker.

```
shumkova@LAPTOP-94OK2RFX: ~
Optional: xsltproc for output formatting, gpg for encrypted credential.
Optional: wget as alternate for curl when not available.
shumkova@LAPTOP-94OK2RFX:~$ docker search postgres
NAME                                DESCRIPTION                                STARS     OFFICIAL   AUTOMATED
postgres                            The PostgreSQL object-relational database sy... 11806     [OK]
bitnami/postgresql                  Bitnami PostgreSQL Docker Image              176
c1rcleci/postgres                   The PostgreSQL object-relational database sy... 30
ubuntu/postgres                     PostgreSQL is an open source object-relatio... 22
bitnami/postgresql-repmgr            Bitnami PostgreSQL Replication Manager        18
rapidfort/postgresql                RapidFort optimized, hardened image for Post... 15
bitnami/postgres-exporter            Bitnami PostgreSQL Exporter                   7
clearlinux/postgres                  PostgreSQL object-relational database system... 2
ling/postgres                       PostgreSQL image maintained by Kasm Technologi... 1
kasmweb/postgres                    PostgreSQL image maintained by Kasm Technologi... 1
ibacorn/postgresql-s390x            PostgreSQL image maintained by Kasm Technologi... 1
pachyderm/postgresql                PostgreSQL image maintained by Kasm Technologi... 0
vmware/postgresql                   PostgreSQL image maintained by Kasm Technologi... 0
ibacorn/postgresql                  PostgreSQL image maintained by Kasm Technologi... 0
vmware/postgresql-photon             PostgreSQL image maintained by Kasm Technologi... 0
rapidfort/postgresql-official        RapidFort optimized, hardened image for Post... 0
hashicorp/postgres-nomad-demo        Used in Nomad-Vault integration guide         0
rapidfort/postgresql12-ib            RapidFort optimized, hardened image for Post... 0
objectscale/postgresql-repmgr        ObjectScale PostgreSQL Replication Manager    0
c1rcleci/postgres-script-enhance     PostgreSQL with one change: Run all scripts un... 0
c1rcleci/postgres-upgrade            This image is for internal use                 0
druid/postgres                       PostgreSQL image maintained by Kasm Technologi... 0
cockroachdb/postgres-test            An environment to run the CockroachDB accept... 0 [OK]
corpusops/postgres                  https://github.com/corpusops/docker-images/    0
ag1pp/postgres-ssh                   PostgreSQL image maintained by Kasm Technologi... 0
shumkova@LAPTOP-94OK2RFX:~$ docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
3f4ca61aafcd: Pull complete
848b397844a6: Pull complete
c6d23b4fe6c1: Pull complete
8846f6946dd5: Pull complete
76f7157f338d: Pull complete
4eacfb0464b2: Pull complete
5c197e2b597b: Pull complete
2c4576649951: Pull complete
1ae267d32d50: Pull complete
03048c1132b5: Pull complete
bdee410b6909: Pull complete
d3354a8bf14: Pull complete
0105a87d8ff9: Pull complete
Digest: sha256:f4cd32e7a418d9c9ba043e7d561243388202b654c740bcc85ca40b41d9fb4f1e
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest
shumkova@LAPTOP-94OK2RFX:~$
```

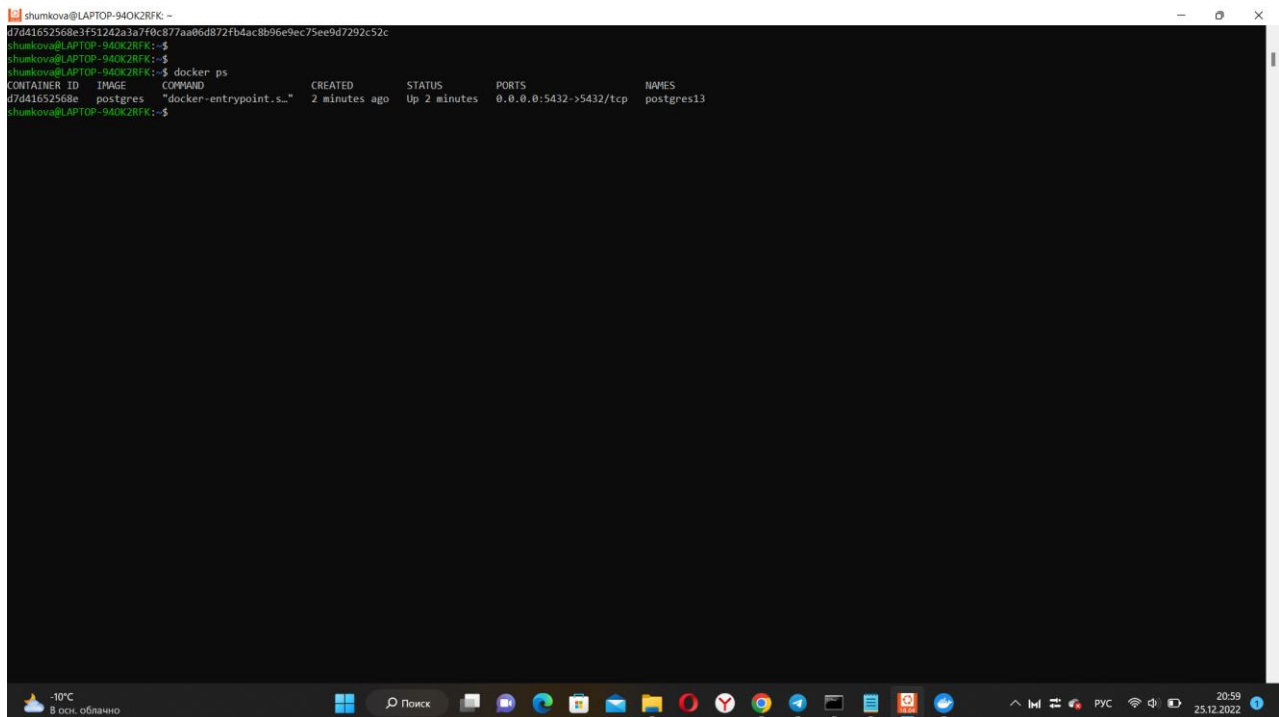
2. Установленные образы

```
shumkova@LAPTOP-94OK2RFX: ~
76f7157f338d: Pull complete
4eacfb0464b2: Pull complete
5c197e2b597b: Pull complete
2c4576649951: Pull complete
1ae267d32d50: Pull complete
03048c1132b5: Pull complete
bdee410b6909: Pull complete
d3354a8bf14: Pull complete
0105a87d8ff9: Pull complete
Digest: sha256:f4cd32e7a418d9c9ba043e7d561243388202b654c740bcc85ca40b41d9fb4f1e
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest
shumkova@LAPTOP-94OK2RFX:~$ docker images
REPOSITORY   TAG       IMAGE ID       CREATED        SIZE
postgres     latest    20e6b6069868  2 days ago    379MB
shumkova@LAPTOP-94OK2RFX:~$
```

Образы в Docker.



3. Запущен postgres 13



4. Подключение пользователя к базе данных

```
shumkova@LAPTOP-94OK2RFX: ~  
47d41652568e3f51242a3a7f9c877aa86d872fb4ac8b96e9ec75ee9d7292c52c  
shumkova@LAPTOP-94OK2RFX:~$  
shumkova@LAPTOP-94OK2RFX:~$  
shumkova@LAPTOP-94OK2RFX:~$ docker ps  
CONTAINER ID   IMAGE      COMMAND                  CREATED    STATUS    PORTS    NAMES  
47d41652568e   postgres  "docker-entrpoint.s..." 2 minutes ago Up 2 minutes    0.0.0.0:5432->5432/tcp    postgres13  
shumkova@LAPTOP-94OK2RFX:~$ docker exec -it postgres13 bash  
root@d7d41652568e:/# su postgres  
postgres@d7d41652568e:/# $ psql  
psql (15.1 (Debian 15.1-1.pgdg110+1))  
Type "help" for help.  
  
postgres=#  
postgres=# \l  
postgres=# \l  


| Name      | Owner    | Encoding | Collate    | Ctype      | ICU locale | Locale Provider | Access privileges                      |
|-----------|----------|----------|------------|------------|------------|-----------------|----------------------------------------|
| postgres  | postgres | UTF8     | en_US.utf8 | en_US.utf8 |            | libc            |                                        |
| template0 | postgres | UTF8     | en_US.utf8 | en_US.utf8 |            | libc            | =c/postgres +<br>postgres=CtC/postgres |
| template1 | postgres | UTF8     | en_US.utf8 | en_US.utf8 |            | libc            | =c/postgres +<br>postgres=CtC/postgres |

  
(3 rows)  
  
postgres=# \conninfo  
You are connected to database "postgres" as user "postgres" via socket in "/var/run/postgresql" at port "5432".  
postgres=# select version();  


| version                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------|
| PostgreSQL 15.1 (Debian 15.1-1.pgdg110+1) on x86_64-pc-linux-gnu, compiled by gcc (Debian 10.2.1-6) 10.2.1 20210110, 64-bit |

  
(1 row)  
  
postgres=#
```