**12 ДЗ - RBAC контроль доступа, квоты и ограничения.**

**Собираем Dockerfile и docker-compose.**

clickhouse-25.2.1.Dockerfile:  
  
FROM clickhouse/clickhouse-server:25.2.1

MAINTAINER Maksim Kulikov <max.uoles@rambler.ru>

RUN apt-get update -y --fix-missing

RUN DEBIAN\_FRONTEND=noninteractive apt-get -yq upgrade

RUN apt-get install nano mc python3 pip kafkacat -y

RUN pip install clickhouse\_driver

EXPOSE 8123 9000

ENTRYPOINT ["/entrypoint.sh"]

Собираем образ командой:

docker build -f clickhouse-25.2.1.Dockerfile -t uoles/clickhouse:25.2.1 .

Запускаем:

docker run -d \

-p 18123:8123 \

-p 19000:9000 \

-e CLICKHOUSE\_DB=my\_database \

-e CLICKHOUSE\_USER=username \

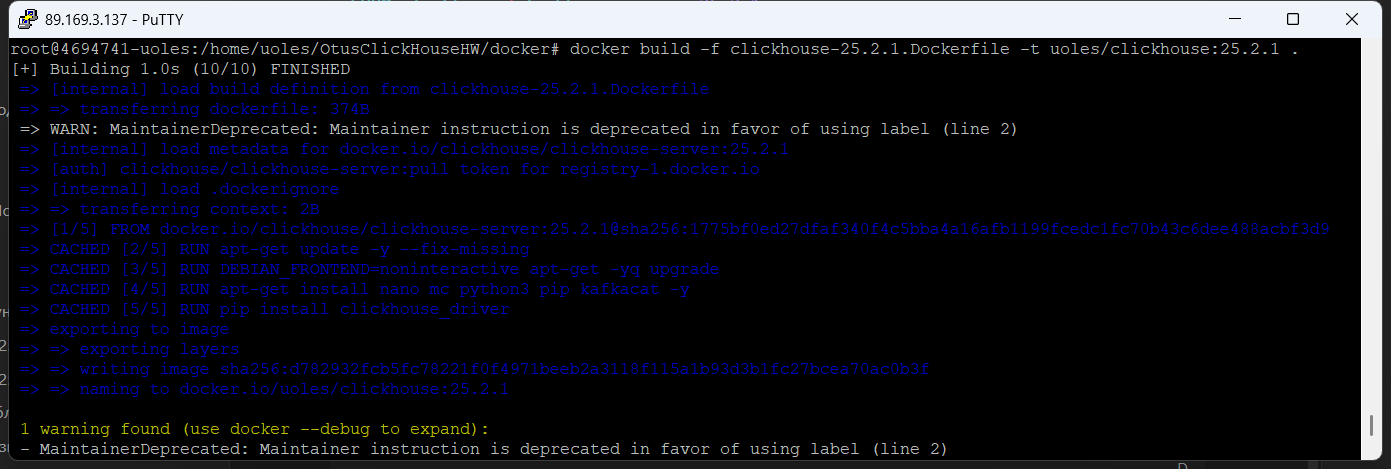
-e CLICKHOUSE\_DEFAULT\_ACCESS\_MANAGEMENT=1 \

-e CLICKHOUSE\_PASSWORD=password \

--name clickhouse-server \

--ulimit nofile=262144:262144 \

uoles/clickhouse:25.2.1



**Создание пользователя и роли.**

Выполняем запросы:

**CREATE** **USER** jhon IDENTIFIED **WITH** sha256\_password **BY** 'qwerty'

**CREATE** **ROLE** devs;

**GRANT** **SELECT** **ON** my\_database.\* **TO** devs;

**GRANT** devs **TO** jhon;

Проверяем наличие пользователя и роли:

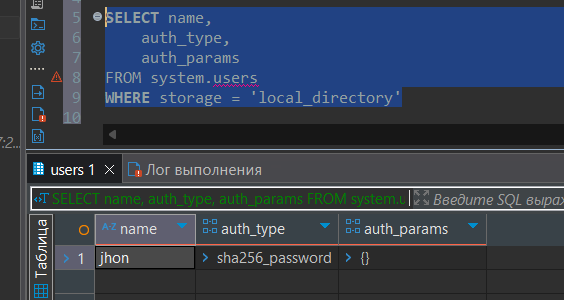
**SELECT** name,

auth\_type,

auth\_params

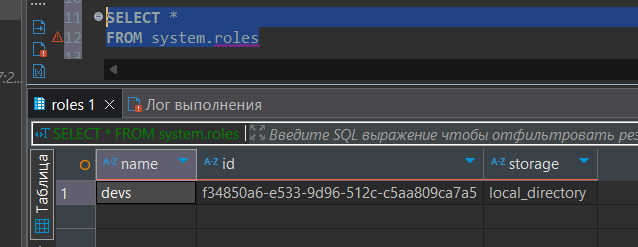
FROM system.users

**WHERE** storage = 'local\_directory'



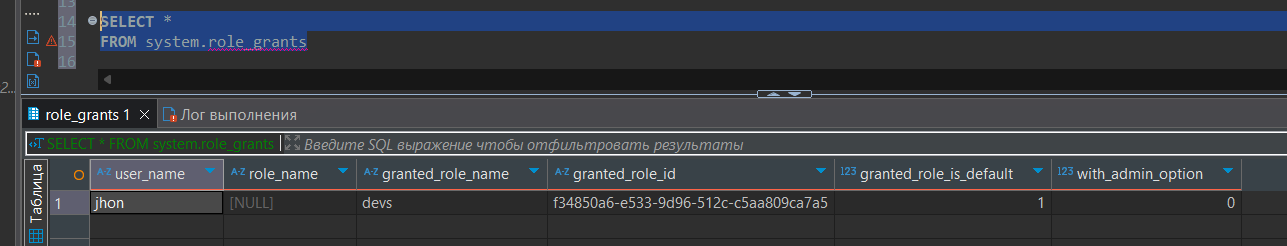
**SELECT** \*

**FROM** system.roles



**SELECT** \*

**FROM** system.role\_grants



**SELECT**

grants.user\_name,

grants.role\_name,

users.name **AS** *role\_member*,

grants.access\_type,

grants.**database**,

grants.**table**

**FROM** system.grants

**LEFT** **JOIN** system.role\_grants **ON** grants.role\_name = role\_grants.granted\_role\_name

**LEFT** **JOIN** system.users **ON** role\_grants.user\_name = users.name

**WHERE** users.name = 'jhon'

